

Form PTO-1394

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings

RECORDATION FORM COVER SHEET  
TRADEMARKS ONLY

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

12

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Huntsman Petrochemical Corporation

- Individual(s)
- General Partnership
- Corporation-State DE
- Other
- Association
- Limited Partnership

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: Deutsche Bank Trust Company Americas, as agent

Internal Address:

Street Address: 60 Wall St.

City: New York State: NY Zip: 10005

- Individual(s) citizenship
- Association
- General Partnership
- Limited Partnership
- Corporation-State
- Other

If assignee is not domiciled in the United States, a domestic representative designation is attached:  Yes  No  
(Designations must be a separate document from assignment)  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: October 14, 2004

4. Application number(s) or registration number(s):

A. Trademark Application No.(s)

B. Trademark Registration No.(s)

Additional number(s) attached  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Laura Konrath

Internal Address: Winston & Strawn LLP  
33rd Floor

Street Address: 35 W. Wacker Dr.

City: Chicago State: IL Zip: 60601

6. Total number of applications and registrations involved:

33

7. Total fee (37 CFR 3.41).....\$ 840

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

232428

DO NOT USE THIS SPACE

9. Signature.

Laura Konrath  
Name of Person Signing

*Laura Konrath*  
Signature

11/24/04  
Date

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patent & Trademarks, Box Assignments  
Washington, D.C. 20231

CH \$840.00 232428 78053882

Continuation  
Item 4  
Schedule A

U.S. Trademark Registration

Trademarks For Owner: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

\*\*\*\*\*

\*\*\*\*\*

Docket No.	Ctry	Types Status	Cur App Dc	Cur App No	Cur Reg D	Cur Reg No	Renewal	Expires
1596 TM 08JL2007	USA	Registered	19AU1994	74/563154	08JL1997	2077844	08JL2007	
Attorney: PEL Mark: JEFFSOOL Client/Division: PERF Agent: Class & Type: IN 1 Goods: ORGANIC CARBONATES, NAMELY, ETHYLENE CARBONATE AND PROPYLENE CARBONATE, FOR USE								
1597 TM 18MR2007	USA	Registered	19AU1994	74/562859	18MR1997	2046303	18MR2007	
Attorney: PEL Mark: JEFFCAT Client/Division: PERF Agent: Class & Type: IN 1 Goods: CATALYSTS FOR THE MANUFACTURE OF FLEXIBLE FOAMS, RIGID FOAMS, COATINGS, ELASTOMERS								
1598 TM 31DE2006	USA	Registered	19AU1994	74/563006	31DE1996	2027525	31DE2006	
Attorney: PEL Mark: JEFFCOOL Client/Division: PERF Agent: Class & Type: IN 1 Goods: ANTI-FREEZE, HEAT TRANSFER FLUIDS FOR USE IN A WIDE VARIETY OF INDUSTRIAL USES,								
1600 TM 04FE2007	USA	Registered	19AU1994	74/563153	04FE1997	2035971	04FE2007	
Attorney: PEL Mark: JEFFTREAT Client/Division: PERF Agent: Class & Type: IN 1 Goods: CHEMICAL AGENTS FOR REMOVAL OF UNWANTED CONTAMINANTS FROM NON-LIQUID GAS								
1601 TM 30DE2007	USA	Registered	19AU1994	74/563165	30DE1997	2125922	30DE2007	
Attorney: PEL Mark: JEFF Client/Division: PERF Agent: Class & Type: IN 1 Goods: ORGANIC CARBONATES, NAMELY, ETHYLENE CARBONATE AND PROPYLENE CARBONATE, FOR USE								

1957 TM USA Registered 21AU1998 75/540512 07DE1999 2297884 07DE2009  
 07DE2009 Client/Division: PERF Agent: Class & Type: IN 1  
 Attorney:PBL Goods:HYDROXY TERMINATED POLYOXYALKYLENE ETHERS FOR USE AS  
 Mark: JEFFOL POLYURETHANE RAW MATERIAL

2308 TM USA Registered 31OC1997 75/382508 18AP2000 2342161 18AP2010  
 18AP2010 Client/Division: PERF Agent: Class & Type: IN 1  
 Attorney:PBL Goods:PROPYLENE CARBONATE SOLVENT BLENDS  
 Mark: JEFFSTRIP

TW0005 USA Registered 15AP1996 75/088127 27OC1998 2200138 27OC2008  
 27OC2008 Client/Division: SURF Agent: Class & Type: IN 1  
 Attorney: BUBBLE DESIGN Goods:SURFACTANTS FOR USE IN A WIDE VARIETY OF INDUSTRIAL  
 Mark: BUBBLE DESIGN AND COMMERCIAL APPLICATIONS.

TW0006 USA Registered 31OC1997 75/382509 24AU1999 2271545 24AU2009  
 24AU2009 Client/Division: PERF Agent: Class & Type: IN 1  
 Attorney:PBL Goods:HYDROXY ALKYL CARBAMATES FOR USE IN COATINGS/RESINS  
 Mark: CARBALINK SYSTEMS IN AUTOMOTIVE AND

6

7

8

9

Trademarks For Owner: Huntsman Petrochemical Corp.

Date of Report: 040C2004

Docket No.	Ctry	Types	Status	Cur App Dt	Cur App No	Cur Reg D	Cur Reg No	Renewal	Expires
10 TM0014 22JE2014 Attorney: GRAH Mark: DGA	USA	Registered	21JUL2003	76/536755	22JE2004	2855802	22JE2014	22JE2014	
Client/Division: GAST Agent: Class & Type: IN 1 treating agent and as a chemical intermediate for the Goods: 2-(2-aminoethoxy)ethanol for use as a natural gas									
11 TM0015 15JE2005 Attorney: Mark: DIGLYCOLAMINE AS A NATURAL GAS TREATING	USA	Registered	17JAN1984	72/184825	15JE1965	790882	15JE2005	15JE2005	
Client/Division: GAST Agent: Class & Type: IN 6 Goods: CHEMICAL COMPOUND 2-(2-AMINOETHOXY) ETHANOL FOR USE									
12 TM0026 23JA2006 Attorney: Mark: HARTFLOC	USA	Registered	06JUL1992	74/291173	23JAN1996	1951651	23JA2006	23JA2006	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: CHEMICAL REAGENTS USED IN THE TREATMENT OF WATER.									
13 TM0028 13OC2010 Attorney: Mark: JEFFAMINE HARDENING AGENTS FOR EPOXY RESINS.	USA	Registered	23JE1969	72/330750	13OC1970	900546	13OC2010	13OC2010	
Client/Division: PERF Agent: Class & Type: IN 1 Goods: POLYOXYALKYLENE POLYAMINES USED AS CURING AND									
14 TM0031 03JL2014 Attorney: GRAH Mark: JEFFOX	USA	Registered	03MR1983	73/415632	03JL1984	1283943	03JL2014	03JL2014	
Client/Division: PERF Agent: Class & Type: IN 1 Goods: CHEMICALS FOR USE AS PLASTICIZERS, SOLVENTS, THICKENING AGENTS, FROTHING AGENTS,									
15 TM0040 25AU2012 Attorney: Mark: QUICKTREAT BASED GAS AND LIQUID TESTING	USA	Registered	04MR1991	74/144054	25AU1992	1710727	25AU2012	25AU2012	
Client/Division: GAST Agent: Class & Type: IN 9 Goods: COMPUTER PROGRAM FOR DESIGNING AND EVALUATING AMINE-									
16 TM0054 20JE2010 Attorney: F&J	USA	Registered	29MR1999	75/669754	20JE2000	2359811	20JE2010	20JE2010	
Client/Division: SURF Agent: Class & Type: IN 1									

Mark: SURFOL  
intermediates.

TM0055 USA Registered 26AUI998 75/543364 14DE1999 , 2299734 14DE2009

17

Attorney: Client/Division: FUEL Agent: Class & Type: IN 1  
Mark: SURFONAMINE AGENTS, NAMELY WETTING, Goods:CHEMICAL ADDITIVES FOR FUEL TREATMENT; SURFACE ACTIVE

TM0056 USA Registered 14PE1955 71/681603 27MR1956 623813 27MR2006

18

Attorney: Client/Division: SURF Agent: Class & Type: IN 1  
Mark: SURFONIC penetrating, and emulsifying agents. Goods:Surface active agents-namely, wetting, dispersing,

Trademarks For Owner: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

Docket No.	Ctry	Types Status	Cur App Dt	Cur App No	Cur Reg D	Cur Reg No	Renewal	Expires
19 TM0057 18DE2006 Attorney: Mark: SURFONIC	USA	Registered	01FEL1956	72/001878	18DE1956	638883	18DE2006	
Client/Division: SURF Agent: Class & Type: NA 52 Goods: DETERGENT FOR INDUSTRIAL PURPOSES.								
20 TM0060 27MR2011 Attorney:F&J Mark: ULTRAPURE PROPYLENE CARBONATE AND	USA	Registered	29MR1999	75/669755	27MR2001	2439636	27MR2011	
Client/Division: CARB Agent: Class & Type: IN 1 Goods: ORGANIC CARBONATES, NAMELY, ETHYLENE CARBONATE,								
21 TM0061 18AP2010 Attorney:F&J Mark: UNIFROTH	USA	Registered	13JUL1999	75/749580	18AP2000	2343670	18AP2010	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: CHEMICAL REAGENTS FOR USE IN MINERAL PROCESSING.								
22 TM0083 01AU2010 Attorney:F&J Mark: HARTOSOFT PAPER AND TEXTILES.	USA	Registered	13OCT1999	75/822641	01AU2000	2373035	01AU2010	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: CHEMICALS FOR USE IN THE MANUFACTURE AND TREATMENT OF								
23 TM0089 08AU2010 Attorney:F&J Mark: POGOL INTERMEDIATES, PLASTICIZERS,	USA	Registered	13OCT1999	75/822640	08AU2000	2375441	08AU2010	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: POLYOXYALKYLENE GLYCOLS FOR USE AS CHEMICAL								
24 TM0142 07OC2013 Attorney:PEFF Mark: TERMUL namely, as wetting, spreading, emulsifying,	USA	Registered	02OC2001	78/086508	07OC2003	2772604	07OC2013	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: Surface active compounds for general use in the arts,								
25 TM0143 30SE2013 Attorney:PEFF Mark: TERSPERSE INDUSTRIAL ARTS, NAMELY, AS	USA	Registered	10SE2001	76/310848	30SE2003	2768715	30SE2013	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: SURFACE ACTIVE COMPOUNDS FOR GENERAL USE IN THE								

TM0144  
 27NO2011  
 Attorney: P&J  
 Mark: TERWEE  
 adjuvant formulations.

USA  
 Z Registered 06JA3000  
 Client/Division: SURF  
 Agent: 75/888924  
 27NO2001  
 2513369  
 27NO2011  
 Class & Type: IN 1  
 Goods: Chemicals for use in the manufacture of pesticide and

TM0150  
 29DE2007  
 Attorney:  
 Mark: ALKAPOL  
 AND ELASTOMERS

USA  
 Registered 20AP1987  
 Client/Division: PERF  
 Agent: 73/656362  
 29DE1987  
 1470302  
 29DE2007  
 Class & Type: IN 1  
 Goods: POLYOLS USED IN RIGID AND FLEXIBLE POLYURETHANE FOAMS

26

27

Last page  
Contracting  
Item 4

Trademarks For Owner: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

Docket No.	Ctry	Types Status	Cur App Dt	Cur App No	Cur Reg D	Cur Reg No	Renewal	Expires
28 TM0164 13JUL2014 Attorney: P&J Mark: E-GRADE MICROCHIPS, CIRCUIT BOARDS,	USA	Z Registered	01SEP2000	76/121120	13JUL2004	2863077	13JUL2014	
Class & Type: IN 1 Goods: CHEMICALS FOR USE IN THE MANUFACTURE OR TREATMENT OF								
29 TM0170 Attorney: PEFF Mark: JEFFLINK polyurethane systems.	USA	Z Filed	19MR2001	78/053882				
Class & Type: IN 001 Goods: Chemicals for use in the preparation of polyurea and								
30 TM0174A Attorney: PEFF Mark: ELASTIMINE	USA	Z Filed	01JUL2003	78/269143				
Class & Type: IN 001 Goods: Polyetheramines for use in modifying polymers								
31 TM0206 Attorney: GRAH Mark: JEFFPAC	USA	Z Filed	06FEB2004	78/363787				
Class & Type: IN 001 Goods: Polyalkylenecarbonates								
32 TM0209 Attorney: GRAH Mark: SURFACTOMER	USA	Z Filed	05MR2004	78/379321				
Class & Type: IN 001 Goods: Polymers useful as surface modifiers.								
33 TM0213 Attorney: GRAH Mark: TERMIX	USA	Z Filed	09SEP2004	78/480890				
Class & Type: IN 001 Goods: Surfactants and additives useful as tank-added adjuvants and								



**GRANT OF SECURITY INTEREST IN  
UNITED STATES TRADEMARKS AND PATENTS**

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which are hereby acknowledged, Huntsman Petrochemical Corporation, a Delaware corporation (the "Grantor") with principal offices at 500 Huntsman Way, Salt Lake City, UT 84108, hereby grants to Deutsche Bank Trust Company Americas, as Collateral Agent, with principal offices at 60 Wall Street, New York, NY 10005 (the "Grantee"), a security interest in (i) all of the Grantor's right, title and interest in and to the United States trademarks, trademark registrations and trademark applications (the "Marks") set forth on Schedule A attached hereto, (ii) all of the Grantor's right, title and interest in and to the United States patents (the "Patents") set forth on Schedule B attached hereto, in each case together with (iii) all Proceeds (as such term is defined in the Security Agreement referred to below) of the Marks and Patents, (iv) the goodwill of the businesses symbolized by the Marks and (v) all causes of action arising prior to or after the date hereof for infringement of any of the Marks and Patents or unfair competition regarding the same.

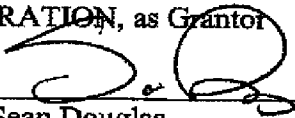
THIS GRANT is made to secure the full and prompt performance and payment of all the Obligations of the Grantor, as such term is defined in the Security Agreement between the Grantor, the other assignors party thereto and the Grantee, dated as of October \_\_, 2004 (as amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement"). Upon the occurrence of the Termination Date (as defined in the Security Agreement), the Grantee shall, upon such satisfaction, execute, acknowledge, and deliver to the Grantor an instrument in writing releasing the security interest in and re-assigning the Marks and Patents acquired under this Grant to the Grantor.

This Grant has been granted in conjunction with the security interest granted to the Grantee under the Security Agreement. The rights and remedies of the Grantee with respect to the security interest granted herein are more fully set forth in the Security Agreement, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Grant are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern.

[signature page follows]

IN WITNESS WHEREOF, the undersigned have executed this Grant of Security Interest as of the 14 day of October, 2004.

HUNTSMAN PETROCHEMICAL CORPORATION, as Grantor

By:   
Name: Sean Douglas  
Title: Vice President

DEUTSCHE BANK TRUST COMPANY AMERICAS, as Grantee

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

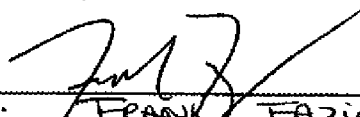
[Signature Page to Grant of Security Interest in Trademarks and Patents-- Huntsman Petrochemical Corporation]

IN WITNESS WHEREOF, the undersigned have executed this Grant of Security Interest as of the \_\_\_ day of October, 2004.

HUNTSMAN PETROCHEMICAL  
CORPORATION  
as Grantor

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

DEUTSCHE BANK TRUST COMPANY  
AMERICAS, as Grantee

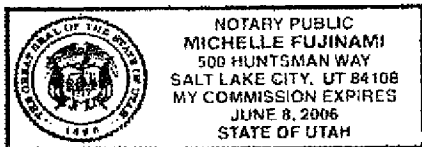
By:   
Name: FRANK FAZIO  
Title: DIRECTOR

Grant of Security Interest in United States Patents and Trademarks

STATE OF UTAH                    )  
                                          : ss.  
COUNTY OF SALT LAKE    )

On this 13<sup>th</sup> day of October, 2004, before me personally came Sean Douglas, who being duly sworn, did depose and say that he is Vice President of Huntsman Petrochemical Corporation, that he is authorized to execute the foregoing Grant of Security Interest on behalf of said corporation and that he did so by authority of the Board of Directors of said corporation.

Michelle Fujinami  
Notary Public



[Signature Page to Grant of Security Interest in Trademarks and Patents-- Huntsman Petrochemical Corporation]



Schedule A

U.S. Trademark Registration

\*\*\*\*\*

Trademarks For Owner: Huntsman Petrochemical Corp.  
Date of Report: 04OC2004

\*\*\*\*\*

Docket No.	Ctry	Types Status	Cur App Dt	Cur App No	Cur Reg D	Cur Reg No	Renewal	Expires
1596 TM	USA	Registered	19AU1994	74/563164	08JUL1997	2077844	08JUL2007	

Attorney: PBL  
 Mark: JEFFSOL  
 PROPYLENE CARBONATE, FOR USE

Client/Division: PERF  
 Agent:

Class & Type: IN 1  
 Goods: ORGANIC CARBONATES, NAMELY, ETHYLENE CARBONATE AND

1597 TM  
 18MR2007

Registered 19AU1994  
 74/562859

Attorney: PBL  
 Mark: JEFFCAF  
 RIGID FOAMS, COATINGS, ELASTOMERS

Client/Division: PERF  
 Agent:

Class & Type: IN 1  
 Goods: CATALYSTS FOR THE MANUFACTURE OF FLEXIBLE FOAMS,

1598 TM  
 31DE2006

Registered 19AU1994  
 74/563006

Attorney: PBL  
 Mark: JEFFCOOL  
 VARIETY OF INDUSTRIAL USES,

Client/Division: PERF  
 Agent:

Class & Type: IN 1  
 Goods: ANTIFREEZE, HEAT TRANSFER FLUIDS FOR USE IN A WIDE

1600 TM  
 04FE2007

Registered 19AU1994  
 74/563163

Attorney: PBL  
 Mark: JEFFTREAT  
 FROM NON-LIQUID GAS

Client/Division: PERF  
 Agent:

Class & Type: IN 1  
 Goods: CHEMICAL AGENTS FOR REMOVAL OF UNWANTED CONTAMINANTS

1601 TM  
 30DE2007

Registered 19AU1994  
 74/563165

Attorney: PBL  
 Mark: JEFF  
 PROPYLENE CARBONATE, FOR USE

Client/Division: PERF  
 Agent:

Class & Type: IN 1  
 Goods: ORGANIC CARBONATES, NAMELY, ETHYLENE CARBONATE AND

6  
 1957 TM USA Registered 21AUI1998 75/540512 07DE1999 2297884 07DE2009  
 Attorney: PBL Client/Division: PERF Agent: Class & Type: IN 1  
 Mark: JEFFOL POLYURETHANE RAW MATERIAL Goods: HYDROXY TERMINATED POLYOXYALKYLENE ETHERS FOR USE AS

7  
 2308 TM USA Registered 310C1997 75/382508 18AP2000 2342161 18AP2010  
 Attorney: PBL Client/Division: PERF Agent: Class & Type: IN 1  
 Mark: JEFFSTREP Goods: PROPYLENE CARBONATE SOLVENT BLENDS

8  
 TM0005 USA Registered 15AP1996 75/088127 27OC1998 2200138 27OC2008  
 Attorney: Client/Division: SURF Agent: Class & Type: IN 1  
 Mark: BUBBLE DESIGN AND COMMERCIAL APPLICATIONS. Goods: SURFACTANTS FOR USE IN A WIDE VARIETY OF INDUSTRIAL

9  
 TM0006 USA Registered 310C1997 75/382509 24AU1999 2271545 24AU2009  
 Attorney: PBL Client/Division: PERF Agent: Class & Type: IN 1  
 Mark: CARBALINK SYSTEMS IN AUTOMOTIVE AND Goods: HYDROXY ALKYL CARBAMATES FOR USE IN COATINGS/RESINS

Trademarks For Owner: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

Docket No.	Ctry	Types Status	Cur App Dt	Cur App No	Cur Reg D	Cur Reg No	Renewal	Expires
10 TM0014 22JJE2014 Attorney: GRAH Mark: DGA	USA	Registered	21JUL2003	76/536755	22JJE2004	2855802	22JJE2014	
Client/Division: GAST Agent: Class & Type: IN 1 treating agent and as a chemical intermediate for the Goods: 2-(2-aminoethoxy)ethanol for use as a natural gas								
11 TM0015 15JJE2005 Attorney: Mark: DIGLYCOLAMINE AS A NATURAL GAS TREATING	USA	Registered	17JAL1964	72/184825	15JJE1965	790882	15JJE2005	
Client/Division: GAST Agent: Class & Type: IN 5 AS A NATURAL GAS TREATING Goods: CHEMICAL COMPOUND 2-(2-AMINOETHOXY) ETHANOL FOR USE								
12 TM0026 23JJA2006 Attorney: Mark: HARTFLOC	USA	Registered	06JUL1992	74/291173	23JJA1996	1951651	23JJA2006	
Client/Division: SURF Agent: Class & Type: IN 1 HARDENING AGENTS FOR EPOXY RESINS. Goods: CHEMICAL REAGENTS USED IN THE TREATMENT OF WATER.								
13 TM0028 13OC2010 Attorney: Mark: JEFFAMINE	USA	Registered	23JJE1969	72/330750	13OC1970	900546	13OC2010	
Client/Division: PERF Agent: Class & Type: IN 1 HARDENING AGENTS FOR EPOXY RESINS. Goods: POLYOXYALKYLENE POLYAMINES USED AS CURING AND								
14 TM0031 03JUL2014 Attorney: GRAH Mark: JEFFOX	USA	Registered	03MR1983	73/415632	03JUL1984	1283943	03JUL2014	
Client/Division: PERF Agent: Class & Type: IN 1 THICKENING AGENTS, FROTHING AGENTS, Goods: CHEMICALS FOR USE AS PLASTICIZERS, SOLVENTS,								
15 TM0040 25AU2012 Attorney: Mark: QUICKTREAT	USA	Registered	04MR1991	74/144054	25AUI992	1710727	25AU2012	
Client/Division: GAST Agent: Class & Type: IN 9 BASED GAS AND LIQUID TESTING Goods: COMPUTER PROGRAM FOR DESIGNING AND EVALUATING AMINE-								
16 TM0054 20JJE2010 Attorney: F&J	USA	Registered	29MR1999	75/669754	20JJE2000	2359811	20JJE2010	
Client/Division: SURF Agent: Class & Type: IN 1								



Mark: SURFOL  
intermediates.

TM0055

USA

Registered 26AUL998

75/543364

2299734

14DE1999

14DE2009

Attorney:

Client/Division: FUEL

Agent:

Class & Type: IN 1

Mark: SURFONAMINE  
AGENTS, NAMELY WETTING,

Goods:CHEMICAL ADDITIVES FOR FUEL TREATMENT; SURFACE ACTIVE

TM0056

USA

Registered 14FE1955

71/681603

623813

27MR1956

27MR2006

Attorney:

Client/Division: SURF

Agent:

Class & Type: IN 1

Mark: SURFONIC  
penetrating, and emulsifying agents.

Goods:Surface active agents--namely, wetting, dispersing,

17

18

Trademarks For Owner: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

Docket No.	Ctry	Types Status	Cur App Dt	Cur App No	Cur Reg D	Cur Reg No	Renewal	Expires
19 TM0057 18DE2006 Attorney: Mark: SURFONIC	USA	Registered	01FEL1956	72/001878	18DE1956	638883	18DE2006	
Client/Division: SURF Agent: Class & Type: NA 52 Goods: DETERGENT FOR INDUSTRIAL PURPOSES.								
20 TM0060 27MR2011 Attorney:F&J Mark: ULTRAPURE PROPYLENE CARBONATE AND	USA	B Registered	29MR1999	75/669755	27MR2001	2439636	27MR2011	
Client/Division: CARB Agent: Class & Type: IN 1 Goods: ORGANIC CARBONATES, NAMELY, ETHYLENE CARBONATE,								
21 TM0061 18AP2010 Attorney:F&J Mark: UNIPROTH	USA	Registered	13JUL1999	75/749580	18AP2000	2343670	18AP2010	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: CHEMICAL REAGENTS FOR USE IN MINERAL PROCESSING.								
22 TM0083 01LAU2010 Attorney:F&J Mark: HAROSOF PAPER AND TEXTILES.	USA	Registered	13OC1999	75/822641	01LAU2000	2373035	01LAU2010	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: CHEMICALS FOR USE IN THE MANUFACTURE AND TREATMENT OF								
23 TM0089 08AU2010 Attorney:F&J Mark: POGOL INTERMEDIATES, PLASTICIZERS,	USA	Registered	13OC1999	75/822640	08AU2000	2375441	08AU2010	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: POLYOXYALKYLENE GLYCOLS FOR USE AS CHEMICAL								
24 TM0142 07OC2013 Attorney:PEFF Mark: TERMUL namely, as wetting, spreading, emulsifying,	USA	Z Registered	02OC2001	78/086508	07OC2003	2772604	07OC2013	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: Surface active compounds for general use in the arts,								
25 TM0143 30SE2013 Attorney:PEFF Mark: TERSPERSE INDUSTRIAL ARTS, NAMELY, AS	USA	Registered	10SE2001	76/310848	30SE2003	2768715	30SE2013	
Client/Division: SURF Agent: Class & Type: IN 1 Goods: SURFACE ACTIVE COMPOUNDS FOR GENERAL USE IN THE								

26  
 TM0144 USA Z Registered 06JAZ000 75/888924 27NO2001 2513369 27NO2011  
 Attorney: F&J Client/Division: SURF Agent: Class & Type: IN 1  
 Mark: TERWET adjuvant formulations. Goods: Chemicals for use in the manufacture of pesticide and

27  
 TM0150 USA Registered 20API987 73/656362 29DE1987 1470302 29DE2007  
 Attorney: Client/Division: PERF Agent: Class & Type: IN 1  
 Mark: ALKAPOL AND ELASTOMERS Goods: POLYOLS USED IN RIGID AND FLEXIBLE POLYURETHANE FOAMS

Trademarks For Owner: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

Docket No.	Ctry	Types Status	Cur App Dt	Cur App No	Cur Reg D	Cur Reg No	Renewal	Expires
28 TM0164 13JL2014 Attorney:F&J Mark: B-GRADE MICROCHIPS, CIRCUIT BOARDS,	USA	Z Registered	01SE2000	75/121120	13JL2004	2863077	13JL2014	
		Client/Division: PERF	Agent:	Class & Type: IN 1 Goods:CHEMICALS FOR USE IN THE MANUFACTURE OR TREATMENT OF				
29 TM0170 Attorney:PERFF Mark: JEFFLINK polyurethane systems.	USA	Z Filed	19MR2001	78/053882	Class & Type: IN 001 Goods:Chemicals for use in the preparation of polyurea and			
		Client/Division: PERF	Agent:	Class & Type: IN 001 Goods:Polyetheramines for use in modifying polymers				
30 TM0174A Attorney:PERFF Mark: ELASTAMINE	USA	Z Filed	01JL2003	78/269143	Class & Type: IN 001 Goods:Polyalkylenecarbonates			
		Client/Division: PERF	Agent:	Class & Type: IN 001 Goods:Polymers useful as surface modifiers.				
31 TM0206 Attorney:GRAH Mark: JEFFFAC	USA	Z Filed	06FE2004	78/363787	Class & Type: IN 001 Goods:Surfactants and additives useful as tank-added adjuvants and			
		Client/Division: CARB	Agent:	Class & Type: IN 001 Goods:Surfactants and additives useful as tank-added adjuvants and				
32 TM0209 Attorney:GRAH Mark: SURFACTOMER	USA	Z Filed	05MR2004	78/379321	Class & Type: IN 001 Goods:Surfactants and additives useful as tank-added adjuvants and			
		Client/Division: SURF	Agent:	Class & Type: IN 001 Goods:Surfactants and additives useful as tank-added adjuvants and				
33 TM0213 Attorney:GRAH Mark: TERMX	USA	Z Filed	09SE2004	78/480890	Class & Type: IN 001 Goods:Surfactants and additives useful as tank-added adjuvants and			
		Client/Division: AG	Agent:	Class & Type: IN 001 Goods:Surfactants and additives useful as tank-added adjuvants and				

Schedule B

Patents

All patents are encumbered with security interests.

\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04OC2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt	
80245	USA		G	27DE1985	813884	10FE1987	4642303	10AU1998	27DE2005	
Title:Catalyst composition Client/Division: Owner of Record: Huntsman Petrochemical Corp.										
80334	USA		G	17SE1984	651372	21OC1986	4618717	21AP1998	17SE2004	
Title:Catalytic process for the production of primary amines from Client/Division: Owner of Record: Huntsman Petrochemical Corp.										
80357	USA		G	20AU1984	642309	23JL1986	4602085	22JA1998	20AU2004	
Title:Catalytic process for the production of hydroxyamine Client/Division: Owner of Record: Huntsman Petrochemical Corp.										
80394	USA		G	01MR1985	707126	23AU1988	4766245	23FE2000	23AU2005	
Title:Process for the preparation of polyoxyalkylene polyamines Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.										
80412	USA		G	31OC1985	793362	04OC1988	4775519	04AP2000	31OC2005	
Title:Removal of acid gases from gas streams Client/Division: Gas Treating Owner of Record: Huntsman Petrochemical Corp.										

1  
2  
3  
4  
5

80442	USA	G	06NO1986	927475	10NO1987	4705814	10MY1999	06NO2006
Title: Reaction product of polyoxyalkylene polyamine and an								
Client/Division: Polyetheramines SBU								
Owner of Record: Huntsman Petrochemical Corp.								
6								
80452	USA	G	07FEB1985	699296	01AP1986	4579630	01OC1997	07FEB2005
Title: BIS(AMINOETHYL)ETHER AND METHOXYETHYL MORPHOLINE SEPARATED								
Client/Division: Morpholine/DCA(R) Amine								
Owner of Record: Huntsman Petrochemical Corp.								
7								
80532	USA	G	03JAL1986	815954	01SEP1987	4691041	01MR1999	03JAL2006
Title: Process for production of ethylene glycol and dimethyl								
Client/Division: CARBONATES								
Owner of Record: Huntsman Petrochemical Corp.								
8								

\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
80578	USA	G	03AU1987	80929	02MY1989	4827038	02NO2000	03AU2007	
Title: Bis(diaminopolyalkoxy)-N-alkylamines by amination of Client/Division: Specialty Amines & Urethane Catalysts Owner of Record: Huntsman Petrochemical Corp.									
80583	USA	G	27MY1986	866676	16JE1987	4673762		27MY2006	
Title: Decolorizing ethanalamines with alkylene oxides Client/Division: Ethanalamines Owner of Record: Huntsman Petrochemical Corp.									
80601-D1	USA	D 01	G 110C1988	255241	27FE1990	4904711	27AU2001	30JL2007	
Title: POLYMER CONCRETE COMPOSITION FOR CEMENTITIOUS ROAD REPAIR Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80615-C1	USA	P 01	G 04MY1990	519080	07JL1992	5128441	07JA2004	07JL2009	
Title: Block polyamido condensation products Client/Division: Polyetheramines SBU Owner of Record: Huntsman Petrochemical Corp.									
80616-C1	USA	P 01	G 04MY1990	519078	24AU1993	5239048	24FE2005	24AU2010	
Title: Aromatic polyoxyalkylene amidoamines Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
80626	USA	G	10AF1987	36637	30AU1988	4767555	28FE2000	10AP2007	
Title: POLYOXYALKYLENE DIAMINES MODIFIED BY GLYCIDYL ETHERS OF Client/Division: Functional Fluids Owner of Record: Huntsman Petrochemical Corp.									
80653	USA	G	27JL1987	78309	06MR1990	4906774	06SE2001	27JL2007	
Title: Process for preparing diamines Client/Division: Polyetheramines SBU									

Owner of Record: Huntsman Petrochemical Corp.

80655

USA

G

27JL1987 78314

Title: ISOCYANATE CAPPED POLYOXYALKYLENE DIAMINES PREPARED FROM

Client/Division: Polyetheramines SBU

Owner of Record: Huntsman Petrochemical Corp.

02AUI988

4761465

02FE2000

27JL2007

16



\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
80659	USA		G	06NO1986	927472	22MR1988	4732919	22SE1999	06NO2006

Title: Reaction injection molded elastomer made from a  
Client/Division: Polyetheramines SBU  
Owner of Record: Huntsman Petrochemical Corp.

80663	USA		G	10AP1987	36955	07AP1992	5103062	07OC2003	07AP2009
-------	-----	--	---	----------	-------	----------	---------	----------	----------

Title: LOW-MELTING, WATER-SOLUBLE POLYOXYALKYLENE AMINES PREPARED  
Client/Division: Polyetheramines SBU  
Owner of Record: Huntsman Petrochemical Corp.

80693-C1	USA		C 01 - G	03OC1988	252214	02JAN1990	4891086	02JUL2001	16AP2007
----------	-----	--	----------	----------	--------	-----------	---------	-----------	----------

Title: STRAND COATING METHOD  
Client/Division: Polyurea Spray  
Owner of Record: Huntsman Petrochemical Corp.

80730	USA		G	03AU1987	80930	02MY1989	4827039	02NO2000	03AU2007
-------	-----	--	---	----------	-------	----------	---------	----------	----------

Title: Nitrilo(tris)polyoxyalkyleneamines in a reaction injection  
Client/Division: Polyetheramines SBU  
Owner of Record: Huntsman Petrochemical Corp.

80742	USA		M	03SE1987	92856	30MY1989	4835241	30NO2000	23AU2005
-------	-----	--	---	----------	-------	----------	---------	----------	----------

Title: Epoxy coatings using acrylate esters, polyetherpolyamines  
Client/Division: Epoxy  
Owner of Record: Huntsman Petrochemical Corp.

80752-C1	USA		P 01	01OC1992	955214	06SE1994	5344996	05MR2006	18OC2011
----------	-----	--	------	----------	--------	----------	---------	----------	----------

Title: Catalyst removal from alcohol alkoxyates using acid clays  
Client/Division: Surface Sciences  
Owner of Record: Huntsman Petrochemical Corp.

80761	USA		G	11AP1988	179827	19DE1989	4888446	19JUN2001	11AP2008
-------	-----	--	---	----------	--------	----------	---------	-----------	----------

Title: Preparation of polyoxyalkylene glycol amines  
Client/Division: Specialty Amines & Urethane Catalys

Owner of Record: Huntsman Petrochemical Corp.

80775

USA

G

27FEB1991

661142

Title: EPOXY RESIN CURATIVES: CONDENSATION PRODUCTS OF PHENOL.

Client/Division: Epoxy

Owner of Record: Huntsman Petrochemical Corp.

27FEB2011

09DEC2003

5120817

09JUN1992

24

\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04OC2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt	
80790	USA	G		16JA1990	465290	21JA1992	5082924	21JL2003	16JA2010	
Title: Polyamide-ester from polyethylene glycol monoamine and Client/Division: Polyetheramines SBU Owner of Record: Huntsman Petrochemical Corp.										
80822	USA	G		13JE1988	205754	09JA1990	4892977	09JL2001	13JE2008	
Title: PREPARATION OF NONIONIC SURFACTANTS BY OXYALKYLATION WITH A Client/Division: Household, I&I Owner of Record: Huntsman Petrochemical Corp.										
80826	USA	G		26SE1989	412373	23JE1992	5124426	23DE2003	26SE2009	
Title: DI (METHYLTHIO) -TOLUENEDIAMINE AS A CHAIN EXTENDER IN SPRAY Client/Division: Polyurea Spray Owner of Record: Huntsman Petrochemical Corp.										
80827	USA	G		24OC1988	261193	02JE1992	5118728	02DE2003	02JE2009	
Title: SPRAY POLYUREA ELASTOMERS USING CHOPPED GLASS ROVING Client/Division: Polyurea Spray Owner of Record: Huntsman Petrochemical Corp.										
80844	USA	G		31OC1988	265081	30JA1990	4897430	30JL2001	31OC2008	
Title: ONE COMPONENT POLYUREA Client/Division: Polyetheramines SBU Owner of Record: Huntsman Petrochemical Corp.										
80853	USA	G		31OC1989	429672	05FE1991	4990576	05AU2002	31OC2009	
Title: Tetramines by amination of polyoxalkylene glycols Client/Division: Polyetheramines Process Owner of Record: Huntsman Petrochemical Corp.										
80859	USA	G		27PE1989	316200	07AU1990	4946933	07FE2002	27FE2009	
Title: Elastomeric polyamide hot melt adhesive from low molecular Client/Division: Coatings Polymers & Resins										

25  
26  
27  
28  
29  
30  
31

Owner of Record: Huntsman Petrochemical Corp.

80862-C1 USA F 01 G 08AP1993 45284 06SEP1994 5344984 06MR2006 06SEP2011

Title: Method for preparing 'twin-tailed' polyoxyalkylene tertiary

Client/Division: Surface Sciences

Owner of Record: Huntsman Petrochemical Corp.

22

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04QC2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt	
80875	USA	G		10AP1990	506990	04FE1992	5086162	04AU2003	10AP2010	
Title: Polyether amide from polyalkylene glycol diamine and diacid										
Client/Division: Polyetheramines SBU										
Owner of Record: Huntsman Petrochemical Corp.										
80876	USA	G		10AP1990	507261	01OC1991	5053484	01AP2003	10AP2010	
Title: POLYETHER AMIDES PREPARED FROM A POLYOXYALKYLENEPOLYAMINE,										
Client/Division: Polyetheramines SBU										
Owner of Record: Huntsman Petrochemical Corp.										
80880	USA	G		11DE1989	448417	25FE1992	5091572	25AU2003	11DE2009	
Title: Amine terminated polyamides										
Client/Division: Polyetheramines SBU										
Owner of Record: Huntsman Petrochemical Corp.										
80884	USA	G		18DE1989	452146	26MR1991	5003107	26SE2002	18DE2009	
Title: CATALYTIC METHOD FOR THE REDUCTIVE AMINATION OF										
Client/Division: Coatings Polymers & Resins										
Owner of Record: Huntsman Petrochemical Corp.										
80885	USA	M		25SE1989	412027	30NO1993	5266671	30MY2005	08JE2010	
Title: CHEMICALLY SIZED MINERAL PARTICLES IN SPRAY POLYUREA										
Client/Division: Coatings Polymers & Resins										
Owner of Record: Huntsman Petrochemical Corp.										
80891-C2	USA	C 01		15DE1993	166792	02AP1996	5504181	02OC2007	02AP2013	
Title: ALIPHATIC SPRAY POLYUREA ELASTOMERS										
Client/Division: Coatings Polymers & Resins										
Owner of Record: Huntsman Petrochemical Corp.										
80895	USA	G		10AP1990	506989	09JUL1991	5030710	09JA2003	10AP2010	
Title: NYLON-6 MODIFIED WITH TEREPHTHALIC ACID SALT OF										
Client/Division: Coatings Polymers & Resins										

33  
34  
35  
36  
37  
38  
39

Owner of Record: Huntsman Petrochemical Corp.

80896-1 USA G 01NO1990 508128 18AUI992 5140097 18FE2004 01NO2010

Title: POLYAMIDES PREPARED FROM DICARBOXYLIC ACIDS, E.G., ADIPIC,

Client/Division: Coatings Polymers & Resins

Owner of Record: Huntsman Petrochemical Corp.

40

\*\*\*\*\*  
\*  
\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04QC2004

\*\*\*\*\*  
\*  
\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
80904	USA	G		11FE1991	653220	24MR1992	5099073	24SE2003	11FE2011
Title: Catalytic process for the production of diketone derivatives Client/Division: Fuel Additives Owner of Record: Huntsman Petrochemical Corp.									
80918	USA	G		10AP1990	506747	24DE1991	5075506	24JE2003	10AP2010
Title: Continuous preparation of secondary amines from nitriles Client/Division: Surface Sciences Owner of Record: Huntsman Petrochemical Corp.									
80925	USA	M		20DE1989	453733	17SE1991	5049411	17MR2003	27FE2007
Title: POLYMER CONCRETE COMPOSITION WHICH ADHERES TO WET AND DRY Client/Division: Epoxy Owner of Record: Huntsman Petrochemical Corp.									
80931	USA	G		25JE1990	543017	30AP1991	5011926	30OC2002	25JE2010
Title: NICKEL-BASED DUAL CATALYST SYSTEM TO SUPPRESS CARBON DIOXIDE Client/Division: Morpholine/DGA(R) Amine Owner of Record: Huntsman Petrochemical Corp.									
80951	USA	G		21DE1990	631844	25FE1992	5091585	25AU2003	21DE2010
Title: Continuous preparation of tertiary aliphatic methyl amines Client/Division: Surface Sciences Owner of Record: Huntsman Petrochemical Corp.									
80961	USA	M		17SE1990	583109	19OC1993	5254737	19AP2005	14JL2009
Title: Continuous preparation of secondary amines from nitriles Client/Division: Surface Sciences Owner of Record: Huntsman Petrochemical Corp.									
80983	USA	G		10JE1991	712817	18AU1992	5140090	18FE2004	10JE2011
Title: ALIPHATIC POLYUREAS PREPARED FROM POLYOXYALKYLENEPOLYAMINES, Client/Division: Polyetheramines SBU									

47

Owner of Record: Huntsman Petrochemical Corp.

80986

USA

G

21DE1990

632205

Title: NICKEL/RUTHENIUM DUAL CATALYST SYSTEMS FOR SELECTIVE

Client/Division: Morpholine/DGA(R) Amine

Owner of Record: Huntsman Petrochemical Corp.

21DE2010

10JE2003

5071980

10DE1991

4.0



\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81005	USA	G		21JJA1992	822803	05JJA1993	5177301	05JUL2004	21JJA2012
Title: Method of separating isobutylene from a C-4 hydrocarbon Client/Division: C-4's Owner of Record: Huntsman Petrochemical Corp.									
81009	USA	G		08FE1991	652954	060C1992	5153232	06AP2004	08FE2011
Title: WATER BLOWN POLYUREA FOAMS BASED ON ALIPHATIC PRIMARY Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81027	USA	G		03SE1991	753502	08SE1992	5146041	08MR2004	03SE2011
Title: METHOD OF SEPARATING ISOBUTYLENE FROM A C-4 HYDROCARBON Client/Division: C-4's Owner of Record: Huntsman Petrochemical Corp.									
81038	USA	G		160C1991	777847	08JE1993	5218005	08DE2004	160C2011
Title: SPRAY POLYUREA ELASTOMERS PREPARED USING LOW MOLECULAR Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81044	USA	G		21FE1992	838990	23FE1993	5189075	23AU2004	21FE2012
Title: POLYUREA ELASTOMERS MADE USING POLYOXYALKYLENE TETRA- OR Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81057	USA	G		22JJA1992	824129	28SE1993	5248756	28MR2005	22JJA2012
Title: Crystallization agent for bisphenol-A polycarbonate Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81059	USA	G		04JE1991	709931	10NO1992	5162388	10MY2004	04JE2011
Title: CYCLOALIPHATIC DIAMINES, E.G., 1,3-DIAMINO CYCLOHEXANE OR Client/Division: Coatings Polymers & Resins									

5

Owner of Record: Huntsman Petrochemical Corp.

81076

USA

G 030C1991

770218

10AU1993

5235007

10FE2005

030C2011

Title: Epoxy curing agents

Client/Division: Coatings Polymers & Resins

Owner of Record: Huntsman Petrochemical Corp.

56

\*\*\*\*\*  
\*  
\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

\*\*\*\*\*  
\*  
\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81088	USA	G	31AU2000	652437	07JA2003	6503891	07JUL2006	31AU2020	
Title: WATER EMULSIFIABLE FORMULATIONS									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81088-C1	USA	C	09JUL2002	10/191217					
Title: WATER EMULSIFIABLE FORMULATIONS									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81091	USA	G	15OC1991	776014	23AP2002	6376588	23OC2005	23AP2019	
Title: WATER SOLUBLE MOLD RELEASE COMPOSITION FOR ELASTOMERIC									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81104	USA	G	07JL1993	87093	09MY1995	5414087	09NO2005	07JL2013	
Title: Preparation of N-alkylpiperazines									
Client/Division: Specialty Amines & Urethane Catalys									
Owner of Record: Huntsman Petrochemical Corp.									
81108	USA	G	29JEL1992	905699	19OC1993	5254668	19AP2005	29JE2012	
Title: POLY(AMIDE-ETHER-AMIDE) ABA TRIBLOCK COPOLYMERS PREPARED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81125-C1	USA	P 01	G 19MR1993	34196	16NO1993	5262551	16MY2005	20AP2012	
Title: PROCESS FOR ETHYLENE EPOXIDATION									
Client/Division: Oxides									
Owner of Record: Huntsman Petrochemical Corp.									
81143	USA	G	23NO1992	979737	29MR1994	5298618	23SE2005	23NO2012	
Title: Macrocyclic oxamides									
Client/Division:									

63

Owner of Record: Huntsman Petrochemical Corp.

81150

USA

G 13AUI992

928582

22EE1994

5288873

22AU2005

13AU2012

Title:AMINATED ALKOXYLATED IMIDAZOLIDONES

Client/Division: Coatings Polymers & Resins

Owner of Record: Huntsman Petrochemical Corp.

64

Patents Owned by Huntsman LLC & Subsidiaries  
 Company: Huntsman Petrochemical Corp.  
 Date of Report: 04OC2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81161	USA	G		19MR1992	855357	23FE1993	5189073	23AU2004	19MR2012
Title: PROCESS FOR THE PRODUCTION OF EXPANDED MATERIALS BASED ON									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81188	USA	G		13AU1992	928583	05OC1993	5250632	05AP2005	13AU2012
Title: HEIMD-CONTAINING POLYETHERAMINE CURATIVE FOR FLEXIBLE,									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81196	USA	G		12AP1993	44791	03MR1998	5723565	03SE2005	03MR2015
Title: EPOXY CURING AGENTS									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81208	USA	G		09AP1993	44424	04JAL994	5276215	04JL2005	09AP2013
Title: ALKYLPHENOLS PREPARED FROM PHENOL AND CORRESPONDING OLEFINS									
Client/Division: Surface Sciences									
Owner of Record: Huntsman Petrochemical Corp.									
81210	USA	G		12AP1993	45150	31MY1994	5317076	30NO2005	12AP2013
Title: SPRAY POLYUREA ELASTOMERS BASED ON AN AMLNATED 1,2-BUTYLENE									
Client/Division: Polyurea Spray									
Owner of Record: Huntsman Petrochemical Corp.									
81224	USA	G		03DE1992	984760	24AU1993	5238971	24FE2005	03DE2012
Title: POLYOXYALKYLENE GLYCOLS CONTAINING IMIDAZOLIDONES									
Client/Division: Polyurethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81225	USA	G		19JUL1993	93568	23AU1994	5340889	23FE2006	19JUL2013
Title: Liquification of bis-carbonates of bis-glycidyl ethers									
Client/Division: CARBONATES									

Owner of Record: Huntsman Petrochemical Corp.

81242-C1 USA F 03 G 16AUI1995 515706

Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE

Client/Division: Coatings Polymers & Resins

Owner of Record: Huntsman Petrochemical Corp.

13JUL2013

24AUG2005

5721315

24FEB1998

72

Patents Owned by Huntsman LLC & Subsidiaries  
 Company: Huntsman Petrochemical Corp.  
 Date of Report: 04OC2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	NXT Tax Dt	Exp Dt
81242-C2	USA	P	G	08JUL1996	676947	28SEP1999	5959032	28MR2007	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C2-CON	USA	C	G	03AUI1999	368042	10AP2001	6214914	10OC2004	13JUL2013
Title: POLYETHER MONOAMINE WITH 36-44 ETHYLENE OXIDE UNITS AND 1-6 Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C2-CON2	USA	D	G	06FE2001	777763	15OC2002	6465606	15AP2006	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C3	USA	P	G	12JUL1996	679070	29FE2000	6031048	29AUI2007	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C3-CON	USA	C	G	03AUI1999	365791	23OC2001	6305964	23AP2005	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C4	USA	P	G	23AP1997	838970	16NO1999	5985999	16MY2007	13JUL2013
Title: DYEABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81242-C4-CON	USA	P	G	19OC1999	421085	03OC2000	6127480	03AP2008	13JUL2013
Title: DYEABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED Client/Division: Coatings Polymers & Resins									

79

Owner of Record: Huntsman Petrochemical Corp.

81242-CA-CON-2 USA C G 26SE2000 669702

Title: DYEABLE POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED

Client/Division: Coatings Polymers & Resins

Owner of Record: Huntsman Petrochemical Corp.

13JUL2013

16JAN2006

6420482

16JUL2002



Patents Owned by Huntsman LLC & Subsidiaries  
 Company: Huntsman Petrochemical Corp.  
 Date of Report: 04OC2004

Docket No.	Crty	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81242-C5	USA	G	12MY1998	076209	25JUL2000	6093496	25JUL2008	13JUL2013	
Title: POLYOLEFIN CONTAINING POLYETHERAMINE MODIFIED FUNCTIONALIZED									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D1C1	USA	P	G	07JUL1995	499521	21JUL1998	5783630	21JUL2006	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D1C2	USA	C	G	03NO1997	962788	12OC1999	5965667	12AP2007	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D1C3	USA	C	G	03AUI1999	368041	31OC2000	6140416	30AP2008	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D2	USA	D	04	G	03NO1997	962785	24AUI1999	5942576	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81242-D2-CON	USA	C	04	G	03AUI1999	368033	25JUL2000	6093773	13JUL2013
Title: POLYETHER AMINE MODIFICATION OF POLYPROPYLENE									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81247	USA	G	01AP1993	41104	28JEL1994	5324812	28DE2005	01AP2013	
Title: WATER SOLUBLE POLYAMIDES PREPARED FROM DIMER ACIDS AND									
Client/Division: Coatings Polymers & Resins									

87

Owner of Record: Huntsman Petrochemical Corp.

81266

USA

G 12JA1995 372049

Title: LOW FOAM SURFACTANT SYSTEM OBTAINED BY MIXING AN UNCAPPED  
Client/Division: Household, I&I

Owner of Record: Huntsman Petrochemical Corp.

12JA2015

18SE2004

5612305

18MR1997

88

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.

Date of Report: 04OC2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81267-C1	USA	F	G	27DE1995	579473	01AP1997	5616677	01OC2004	24JE2014
Title: PREPARATION OF SPRAYABLE ALIPHATIC POLYUREA ELASTOMERS Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81275	USA	G	G	05JE1997	869385	02JE1998	5759695	02DE2005	05JE2017
Title: POLYUREA ELASTOMER SYSTEMS WITH IMPROVED ADHESION TO Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81275-C1	USA	C	G	03AP1998	054979	05OC1999	5962144	05AP2007	05JE2017
Title: POLYUREA ELASTOMER SYSTEMS WITH IMPROVED ADHESION TO Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81283	USA	G	G	16MY1996	648917	16SE1997	5668217	16MR2005	16MY2016
Title: AMIDAMINE MODIFICATION OF POLYPROPYLENE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81298C1	USA	F	G	18AU1995	516690	23DE1997	5700846	23JE2005	15JE2014
Title: POLYUREA FOAM MADE FROM AMINATED POLYETHER POLYAMINE Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81301	USA	G	G	01JE1994	252031	15AU1995	5442034	15FE2007	01JE2014
Title: ALIPHATIC SPRAY POLYUREA ELASTOMERS CONTAINING ORGANIC Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81312	USA	G	G	10JA1994	178720	21MY1996	5519154	21NO2007	10JA2014
Title: POLYETHER SULFONATES AND THEIR SURFACTANT DERIVATIVES Client/Division: Surface Sciences									

96

Owner of Record: Huntsman Petrochemical Corp.

81313-C1

USA

P

G

04NO1996

743366

Title: PROCESS FOR PREPARING LOW UNSATURATION POLYETHER POLYOLS

Client/Division: Coatings Polymers & Resins

Owner of Record: Huntsman Petrochemical Corp.

12JJE2015

16JJE2005

5698746

16DE1997

98

\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04OC2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81313-D1	USA	D	G	23OC1997	956960	05OC1999	5962748	05AP2007	04NO2016
Title: PROCESS FOR PREPARING LOW UNSATURATION POLYETHER POLYOLS Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81323-C1	USA	F	G	18JEL1996	665989	08JL1997	5646235	08JA2005	27MR2015
Title: REDUCTIVE ALKYLATION OF POLYAMINES Client/Division: Polyurethane Catalysts Owner of Record: Huntsman Petrochemical Corp.									
81324-D1	USA	D	G	29JAJ1997	790391	02MY2000	6057443	02NO2007	31MR2015
Title: DIMORPHOLINOETHER HAVING IMPROVED ISOCYANATE STABILITY Client/Division: Polyurethane Catalysts Owner of Record: Huntsman Petrochemical Corp.									
81327	USA	G	G	30DE1994	366857	27FE1996	5494595	27AU2007	30DE2014
Title: OIL SOLUBLE POLYETHERS Client/Division: Resources, Fuel & Lube Owner of Record: Huntsman Petrochemical Corp.									
81340	USA	G	G	08FE1996	598692	08DE1998	5847254	08JJE2006	08FE2016
Title: ALKYLATION OF BENZENE TO FORM LINEAR ALKYL BENZENES USING Client/Division: LAB (Linear Alkyl Benzene) Owner of Record: Huntsman Petrochemical Corp.									
81342	USA	G	G	16AP1996	632825	24MR1998	5731397	24SE2005	16AP2016
Title: POLYUREA SPRAY RAILCAR LINING SYSTEMS WITH HIGH FLEXIBILITY Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81342-C1	USA	C	G	17MR1998	040120	05OC1999	5962618	05AP2007	16AP2016
Title: POLYUREA SPRAY RAILCAR LINING SYSTEMS WITH HIGH FLEXIBILITY Client/Division: Coatings Polymers & Resins									

103

Owner of Record: Huntsman Petrochemical Corp.

81343 USA G 08FE1996 598695 23JUL1998 5770782 23DEC2005 08FE2016

Title: PROCESS AND SYSTEM FOR ALKYLATION OF AROMATIC COMPOUNDS

Client/Division: LAB (Linear Alkyl Benzene)

Owner of Record: Huntsman Petrochemical Corp.

10d

Patents Owned by Huntsman LLC & Subsidiaries  
 Company: Huntsman Petrochemical Corp.  
 Date of Report: 040C2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81343-D1	USA	D	G	20JER1997	879745	13NO2001	6315964	13MY2005	08FE2016
Title: PROCESS AND SYSTEM FOR ALKYLATION OF AROMATIC COMPOUNDS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81375	USA	G	G	28OC1985	791655	30DE1986	4632915	30JER1998	28OC2005
Title: IRON/LITHIUM-PROMOTED CATALYSTS FOR THE PRODUCTION OF MALEIC									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81376	USA	G	G	17DE1984	682130	24FE1987	4645623	24AUL1998	17DE2004
Title: ALKYLARYL SULFONATE COMPOSITIONS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81376-D1	USA	D	G	18SE1986	908855	18AUL1987	4687593	18FE1999	17DE2004
Title: ALKYLARYL SULFONATE COMPOSITIONS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81377	USA	G	G	28OC1985	791977	02JER1987	4670415		28OC2005
Title: PROCESS FOR THE PREPARATION OF IRON/LITHIUM-PROMOTED									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81378	USA	G	G	19JA1988	145795	08AUL1989	4855459	08FE2001	19JA2008
Title: PROCESS FOR THE PRODUCTION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81379	USA	G	G	27JER1991	722070	11AUL1992	5137860	11FE2004	27JER2011
Title: PROCESS FOR THE TRANSFORMATION OF VANADIUM/PHOSPHORUS MIXED									
Client/Division: Maleic Anhydride									

Owner of Record: Huntsman Petrochemical Corp.

81380-CI USA P G 20DE1991 812252 01DE1992 5168090 01JE2004 04OC2010

Title: SHAPED OXIDATION CATALYST STRUCTURES FOR THE PRODUCTION OF  
Client/Division: Maleic Anhydride

Owner of Record: Huntsman Petrochemical Corp.

112



\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81381	USA	G	18FE1992	836434	09FE1993	5185455	09AU2004	18FE2012	
Title: METHOD FOR IMPROVING THE PERFORMANCE OF VPO CATALYSTS									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81382	USA	G	28JE1991	722785	09FE1993	5185485	09AU2004	28JE2011	
Title: PROCESS FOR PREPARING ALKYL BENZENE									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81383	USA	G	22MY1992	887254	04JAL1994	5275996	04JL2005	22MY2012	
Title: PHOSPHOROUS/VANADIUM OXIDE CATALYST AND PROCESS OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81384-C1	USA	C	24JL1992	919628	28JE1994	5324880	28DE2005	28JE2011	
Title: PROCESS FOR DEHYDROGENATION OF PARAFFIN									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81385	USA	M	08DE1992	986652	15NO1994	5364824	15MY2006	11AU2009	
Title: CATALYSTS FOR THE PRODUCTION OF MALEIC ANHYDRIDE CONTAINING									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81388-D1	USA	D	10AP1998	058029	21DE1999	6005121	21JE2007	08JL2011	
Title: HIGH PRODUCTIVITY PROCESS FOR THE PRODUCTION OF MALEIC									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81395	USA	G	13FE1992	835152	31MR1998	5734066	30SE2005	31MR2015	
Title: ASSESSMENT OF AUTOIGNITION CONDITIONS AND SUPPRESSION									
Client/Division: Maleic Anhydride									

119

Owner of Record: Huntsman Petrochemical Corp.

81396

USA

G

15SE1994

306489

Title:IMPROVED HIGH PERFORMANCE VPO CATALYST AND PROCESS OF Client/Division: Maleic Anhydride

Owner of Record: Huntsman Petrochemical Corp.

15SE2014

24DE2004

5641722

24JTE1997

120

Patents Owned by Huntsman LLC & Subsidiaries  
 Company: Huntsman Petrochemical Corp.  
 Date of Report: 040C2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81396-C1	USA	C	G	09DE1996	775938	30JE1998	5773382	30DE2005	15SE2014
Title:IMPROVED HIGH PERFORMANCE VPO CATALYST AND PROCESS OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81397	USA	G	G	03FE1995	383000	01AP1997	5617208	01CC2004	03FE2015
Title:IGNITION DETECTION METHOD AND DEVICE FOR A REACTION VESSEL									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81398	USA	G	G	20MR1995	406674	20MY1997	5631387	20NO2004	20MR2015
Title:PROCESS AND APPARATUS FOR THE PREPARATION AND RECOVERY OF									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81399-D1	USA	D	G	12AU1997	909638	27JUL1999	5929256	27JA2007	02OC2015
Title:MOLYBDENUM MODIFIED VANADIUM-PHOSPHOROUS OXIDE CATALYSTS FOR									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81400	USA	G	G	13JA1998	006132	26OC1999	5972174	26AP2007	13JA2018
Title:PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81400-D1	USA	D	G	19MR1999	273006	19SE2000	6120654	19MR2008	13JA2018
Title:PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81400-D2	USA	D	G	19MR1999	273173	18JL2000	6090245	18JA2008	13JA2018
Title:PROCESS FOR THE PURIFICATION OF MALEIC ANHYDRIDE									
Client/Division: Maleic Anhydride									

127

Owner of Record: Huntsman Petrochemical Corp.

81417 USA P G 12JEL1996 662786 07JUL1998 5777187 07JJA2006 08FE2016

Title: TWO STEP PROCESS FOR ALKYLATION OF BENZENE TO FORM LINEAR

Client/Division: LAB (Linear Alkyl Benzene)

Owner of Record: Huntsman Petrochemical Corp.

128

\*\*\*\*\*  
\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04OC2004

\*\*\*\*\*  
\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81421-C1	USA	X	G	30SE1996	720587	19JA1999	5861051	19JL2006	06MR2016
Title: PROCESS FOR REMOVING CARBON DIOXIDE FROM GAS MIXTURE Client/Division: Gas Treating Owner of Record: Huntsman Petrochemical Corp.									
81422	USA		G	23MY1997	862588	21JL1998	5782938	21JA2006	23MY2017
Title: FUEL COMPOSITION Client/Division: Fuel Additives Owner of Record: Huntsman Petrochemical Corp.									
81426-C1	USA	X	G	11MR1997	815154	11JA2000	6013755	11JL2007	11MR2017
Title: A METHOD OF PREPARING AN ALIPHATIC POLYUREA SPRAY ELASTOMER Client/Division: Polyurea Spray Owner of Record: Huntsman Petrochemical Corp.									
81426-C2	USA	P	G	11JA2000	481245	04JE2002	6399736	04DE2005	11MR2017
Title: METHOD OF PREPARING SPRAY ELASTOMER SYSTEMS Client/Division: Polyurea Spray Owner of Record: Huntsman Petrochemical Corp.									
81426-C3	USA	C	G	14JA2002	10/046936	12AU2003	6805684	12FE2007	11MR2017
Title: METHOD OF PREPARING SPRAY ELASTOMER SYSTEMS Client/Division: Polyurea Spray Owner of Record: Huntsman Petrochemical Corp.									
81437	USA	G	G	29JL1997	902617	15JE1999	5912382	15DE2006	29JL2017
Title: HYDROXYALKYL CARBAMATE COMPOSITIONS AND PROCESSES FOR Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81445	USA	G	G	22MY1998	083402	21MR2000	6040284	21SE2007	22MY2018
Title: Paint coatings remover comprising propylene carbonate and Client/Division: Coatings Polymers & Resins									

135

Owner of Record: Huntsman Petrochemical Corp.

81445-C1

USA

C

G

120C1999

417137

19DE2000

6162776

19JEE2008

23MY2017

Title: PAINT AND COATING REMOVER

Client/Division: Coatings Polymers & Resins

Owner of Record: Huntsman Petrochemical Corp.

TRADEMARK

REEL: 003020 FRAME: 0784

\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04CC2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Mxt Tax Dt	Exp Dt
81447	USA	G	09JE1998	094247	14NO2000	6146574	14MY2008	13JUL2013	
Title:ARTICLE MANUFACTURE USING POLYOLEFIN CONTAINING									
Client/Division: Polyetheramines SBU									
Owner of Record: Huntsman Petrochemical Corp.									
81453	USA	G	21AU1998	138134	13JE2000	6075168	13DE2007	21AU2018	
Title:SELECTIVE PRODUCTION OF DIETHANOLAMINE									
Client/Division: Ethanolamines									
Owner of Record: Huntsman Petrochemical Corp.									
81454	USA	G	08SE1998	149322	16MY2000	6063965	16NO2007	08SE2018	
Title:PRODUCTION OF DIETHANOLAMINE									
Client/Division: Ethanolamines									
Owner of Record: Huntsman Petrochemical Corp.									
81456	USA	G	18NO1997	968172	02MR1999	5877331	02SE2006	18NO2017	
Title:PREVENTION OF CATALYST ATTRITION AND TAR FORMATION IN									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81456-D1	USA	D	G	25FE1999	257633	04AP2000	6046343	04OC2007	18NO2017
Title:PREVENTION OF CATALYST ATTRITION AND TAR FORMATION IN									
Client/Division: Maleic Anhydride									
Owner of Record: Huntsman Petrochemical Corp.									
81457	USA	G	23JUL1998	121773	05OC1999	5962699	05AP2007	23JUL2018	
Title:PROCESS FOR DECOLORIZING ORGANIC CARBONATES									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81462	USA	G	28AU1998	143177	04JUL2000	6083897	04JA2008	28AU2018	
Title:SOLUBILIZATION OF LOW 2-PHENYL ALKYL BENZENE SULFONATES									
Client/Division: Household, I&I									

143

Owner of Record: Huntsman Petrochemical Corp.

81468

USA

P

G

190C1998

175078

Title: ALKYLATION OF BENZENE TO FORM LINEAR ALKYL BENZENES USING

Client/Division: LAB (Linear Alkyl Benzene)

Owner of Record: Huntsman Petrochemical Corp.

20JUE2017

26JUE2008

6166281

26DE2000

144



\*\*\*\*\*  
\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04OC2004

\*\*\*\*\*  
\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81470	USA	G		07OC1998	167361	05DE2000	6156160	05JE2008	07OC2018
Title:ALKYLENE CARBONATE PROCESS Client/Division: Resources, Fuel & Lube Owner of Record: Huntsman Petrochemical Corp.									
81470-C1	USA	P	G	07NO2000	707674	14MY2002	6387223	14NO2005	05DE2020
Title:ALKYLENE CARBONATE PROCESS Client/Division: Resources, Fuel & Lube Owner of Record: Huntsman Petrochemical Corp.									
81475	USA	P	G	19OC1998	174891	17OC2000	6133492	17AP2008	20JE2017
Title:ALKYLATION OF BENZENE TO FORM LINEAR ALKYL BENZENES USING Client/Division: LAB (Linear Alkyl Benzene) Owner of Record: Huntsman Petrochemical Corp.									
81476	USA	G		14OC1999	418686	25JUL2000	6093854	25JA2008	14OC2019
Title:A PROCESS FOR PREPARING ALKANOLAMINES FROM POLYOLEFIN Client/Division: Resources, Fuel & Lube Owner of Record: Huntsman Petrochemical Corp.									
81481	USA	G		07JA2000	479436	09SE2003	6617303	09MR2007	07JA2020
Title:SURFACTANT COMPOSITIONS CONTAINING ALKOXYLATED AMINES Client/Division: Surface Sciences Owner of Record: Huntsman Petrochemical Corp.									
81482	USA	G		10JA2000	480836	15JUL2003	6593495	15JA2007	10JA2020
Title:ANHYDRIDE STABILIZATION Client/Division: Maleic Anhydride Owner of Record: Huntsman Petrochemical Corp.									
81482-C1	USA	P	G	20AU2002	10/224050	04MF2004	6730810	04NO2007	10JA2020
Title:ANHYDRIDE STABILIZATION Client/Division: Maleic Anhydride									

15

Owner of Record: Huntsman Petrochemical Corp.

10JJA2020

05FEE2007

6603042

05AU2003

10/223990

20AU2002

G

D

USA

81482-D1

Title: ANHYDRIDE STABILIZATION

Client/Division: Maleic Anhydride

Owner of Record: Huntsman Petrochemical Corp.

152

\*\*\*\*\*  
\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04CC2004

\*\*\*\*\*  
\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81484	USA		G	31JA2000	494365	10JL2001	6258866	10JA2005	31JA2020
Title: BLOWING AGENT COMPATIBILIZATION									
Client/Division: Polyurethane Catalysts									
Owner of Record: Huntsman Petrochemical Corp.									
81486-3	USA		F	17AU2000	640834				
Title: MANNICH CONDENSATE BASED SURFACTANT ADJUVANTS AND									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81486-6	USA		G	17AU2000	641228	16JL2002	6420311	16JA2006	17AU2020
Title: POLYETHER DIAMINE BASED SURFACTANT ADJUVANTS AND									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81487-C1	USA		P	20AU2002	10/223980	15JE2004	6750374	15DE2007	10AU2019
Title: MANUFACTURE OF CYCLOHEXANE FROM BENZENE AND A HYDROGEN									
Client/Division: C-4's									
Owner of Record: Huntsman Petrochemical Corp.									
81488	USA		2	30JL2003	10/630121				
Title: ANION CATALYST SYSTEM FOR FOAMS									
Client/Division: Urethane Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81491	USA		G	30AP1999	303170	09MY2000	6060625	09NO2007	30AP2019
Title: PROCESS FOR THE PRODUCTION OF ETHERAMINE ALKOXYLATES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81492	USA		G	11FE2000	502878	13NO2001	63115908	13MY2005	11FE2020
Title: METHOD FOR TREATMENT OF WASTE WATER									
Client/Division: Household, I&I									

Owner of Record: Huntsman Petrochemical Corp.

81497

USA

G 08MY2000 565421

Title:METHOD AND APPARATUS FOR IMPROVING THE UNIFORMITY OF  
Client/Division: Malesic Anhydride

Owner of Record: Huntsman Petrochemical Corp.

08MY2020

09AP2005

6300505

090C2001

160

\*\*\*\*\*  
\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04CC2004

\*\*\*\*\*  
\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt	
81500	USA		G	04NO1999	434872	13FE2001	6187108	13AU2008	04NO2019	
Title: Alkylene carbonate based cleaners										
Client/Division: CARBONATES										
Owner of Record: Huntsman Petrochemical Corp.										
81501	USA	P	G	01SE2000	654439	12NO2002	6479445	12MY2005	23MY2017	
Title: PAINT STRIPPING COMPOSITIONS										
Client/Division: Coatings Polymers & Resins										
Owner of Record: Huntsman Petrochemical Corp.										
81501-D1	USA	D	F	20AU2002	10/223867					
Title: PAINT STRIPPING COMPOSITIONS										
Client/Division: Coatings Polymers & Resins										
Owner of Record: Huntsman Petrochemical Corp.										
81502	USA	P	G	18JE1999	335596	02JA2001	6169061	02JL2008	19AP2019	
Title: PAINT AND COATING REMOVER										
Client/Division: Coatings Polymers & Resins										
Owner of Record: Huntsman Petrochemical Corp.										
81502-D1	USA	P	G	28NO2000	724012	09AP2002	6369009	09OC2005	19AP2019	
Title: PAINT AND COATING REMOVER										
Client/Division: Coatings Polymers & Resins										
Owner of Record: Huntsman Petrochemical Corp.										
81502-D1C1	USA	P	G	01FE2002	10/061565	01JL2003	6586380	01JA2007	19AP2019	
Title: PAINT AND COATING REMOVER										
Client/Division: Coatings Polymers & Resins										
Owner of Record: Huntsman Petrochemical Corp.										
81503-C1	USA	P	G	11DE2001	10/015064	22AP2003	6552121	22OC2006	16AU2020	
Title: ALKALI-SILICATE POLYISOCYANATE COMPOSITES										
Client/Division: Specialty Amines & Urethane Catalys										

Owner of Record: Huntsman Petrochemical Corp.

81506

USA

G

28AP2000

560229

30OC2001

6310174

30AP2005

28AP2020

Title: PRIMARY ALKANOLAMIDES

Client/Division: Morpholine/DGA(R) Amine

Owner of Record: Huntsman Petrochemical Corp.

168

\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04CC2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt	
81506-D1	USA	D	G	24SE2001	961589	04FE2003	6514190	04AU2006	30AP2019	
Title: PRIMARY ALKANOLAMIDES										
Client/Division: Morpholine/DGA(R) Amine										
Owner of Record: Huntsman Petrochemical Corp.										
81522	USA	G	G	18JE1999	335597	12DE2000	6159915	12JE2008	18JE2019	
Title: PAINT AND COATING REMOVER										
Client/Division: Coatings Polymers & Resins										
Owner of Record: Huntsman Petrochemical Corp.										
81522-C1	USA	C	G	01NO2000	704001	19NO2002	6482270	19MY2006	18JE2019	
Title: PAINT AND COATING REMOVER										
Client/Division: CARBONATES										
Owner of Record: Huntsman Petrochemical Corp.										
81524	USA	G	G	31AU1999	386870	20FE2001	6191317	20AU2008	31AU2019	
Title: PROCESS FOR PREPARATION OF POLYALKYL HYDROXYAROMATICS										
Client/Division: Fuel Process										
Owner of Record: Huntsman Petrochemical Corp.										
81525	USA	G	G	07JA2000	479434	25SE2001	6294071	25MR2005	07JA2020	
Title: METHODS FOR FORMING COPPER SOLUTIONS										
Client/Division:										
Owner of Record: Huntsman Petrochemical Corp.										
81526	USA	F	F	26JE2000	603168					
Title: CONCENTRATED SURFACTANT BLENDS										
Client/Division: Surface Sciences										
Owner of Record: Huntsman Petrochemical Corp.										
81526-C1	USA	F	F	16JL2002	10/196998					
Title: CONCENTRATED SURFACTANT BLENDS										
Client/Division: Surface Sciences										

Owner of Record: Huntsman Petrochemical Corp.

81527

USA

G

22MR2000

533278

09JUL2002

6417135

09JAN2006

27AUG2019

Title: ADVANCES IN DEHYDROGENATION CATALYSIS

Client/Division: LAB (Linear Alkyl Benzene)

Owner of Record: Huntsman Petrochemical Corp.

176



Patents Owned by Huntsman LLC & Subsidiaries  
 Company: Huntsman Petrochemical Corp.  
 Date of Report: 040C2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81527-D1	USA	D	G	07MY2002	10/140178	02MR2004	6700028	02SE2007	22MR2020
Title: ADVANCES IN DEHYDROGENATION CATALYSIS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81530	USA	P	G	09MR2000	521502	07MY2002	6384240	07NO2005	07OC2018
Title: PROCESS TO PRODUCE PHOTOCHROMIC GRADE ALKYLENE CARBONATES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81530-C2	USA	P	G	26FE2002	10/083230	05NO2002	6476237	05MY2006	07OC2018
Title: PURIFICATION OF ALKYLENE CARBONATES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81530-D1	USA	D	G	08FE2002	10/071169	01OC2002	6458969	01AP2006	07OC2018
Title: Process for the purification of alkylene carbonate									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81534-C1	USA	C	F	18JE2002	10/175535				
Title: SURFACTANT ADJUVANTS USEFUL IN HERBICIDE COMPOSITIONS									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81535	USA	P	G	01SE2000	654438	28MY2002	6395103	28NO2005	18JE2019
Title: DEGREASING COMPOSITIONS									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81535-D1	USA	D	F	01FE2002	10/061536				
Title: DEGREASING COMPOSITIONS									
Client/Division: Household, I&I									

182

Owner of Record: Huntsman Petrochemical Corp.

81536

USA

G

26SE2000

659982

15AP2003

6548726

150C2006

26SE2020

Title:REMOVAL OF DEHA FROM A BUTADIENE STREAM

Client/Division: C-4's

Owner of Record: Huntsman Petrochemical Corp.

\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04OC2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81537	USA		G	08FE2000	500175	03AP2001	6210452	03OC2004	08FE2020
Title:FUEL ADDITIVES									
Client/Division: Resources, Fuel & Lube									
Owner of Record: Huntsman Petrochemical Corp.									
81539	USA	P	G	26AP2000	559841	13MY2003	6562776	13NO2006	28JA2020
Title:SOLID ALKYLENENE SULFONATES AND CLEANING COMPOSITIONS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81539-Cl	USA	P	F	19FE2003	10/370144				
Title:SOLID ALKYLENENE SULFONATES AND CLEANING COMPOSITIONS									
Client/Division: LAB (Linear Alkyl Benzene)									
Owner of Record: Huntsman Petrochemical Corp.									
81541	USA		G	09AU2000	634374	16JL2002	6420327	16JA2006	09AU2020
Title:CARBONATE BASED COATING REMOVER									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81544-Cl	USA	P	G	05SE2001	946313	05NO2002	6475708	05MY2006	29JE2020
Title:ALTERNATIVE PHOTORESIST STRIPPING SOLUTIONS									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81544-D1	USA	D	G	06JE2002	10/164793	01JL2003	6586164	01JA2007	29JE2020
Title:ALTERNATIVE PHOTORESIST STRIPPING COMPOSITIONS									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81545	USA		G	29DE2000	752118	04FE2003	6515145	04AU2006	29DE2020
Title:PROCESS FOR THE PRODUCTION OF HIGH MELTING CARBONATES									
Client/Division: CARBONATES									

155

191

Owner of Record: Huntsman Petrochemical Corp.

81546

USA

P

G

14JUL2000

616568

6630430

07OC2003

07AP2007

08FE2016

Title: FUEL AND OIL DETERGENTS

Client/Division: LAB (Linear Alkyl Benzene)

Owner of Record: Huntsman Petrochemical Corp.

192

Patents Owned by Huntsman LLC & Subsidiaries  
 Company: Huntsman Petrochemical Corp.  
 Date of Report: 04OC2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81564	USA	G	25SE2000	669220	17JUL2001	6262297	17JJA2005	25SE2020	
Title: PREPARATION OF HYDROXYALKYL CARBAMATES FROM 6-MEMBERED CYCLIC									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81564-D1	USA	D	23MY2001	863558	23MR2004	6710203	23SE2007	25SE2020	
Title: PREPARATION OF HYDROXYALKYL CARBAMATES FROM 6-MEMBERED CYCLIC									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81565	USA	G	28NO2000	723870	15AP2003	6548464	15OC2006	28NO2020	
Title: PAINT STRIPPER FOR AIRCRAFT AND OTHER MULTICOAT SYSTEMS									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81566	USA	G	25SE2000	668961	22JUL2003	6596677	22JJA2007	25SE2020	
Title: CLEANING COMPOSITIONS FOR HARD SURFACES (Amended)									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81567	USA	G	10MR1989	321981	08OC1991	5055231	08AP2003	10MR2009	
Title: REACTION PRODUCTS OF BORIC ACID AND ALKANOLETHERAMINES AND									
Client/Division: Morpholine/DGA(R) Amine									
Owner of Record: Huntsman Petrochemical Corp.									
81568	USA	F	19SE2000	09/665642					
Title: ALKYL TOLUENE SULFONATE DETERGENTS									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81569	USA	F	24OC2000	695569					
Title: AGRICULTURAL FORMULATIONS CONTAINING ENHANCED SURFACTANTS									
Client/Division: Agricultural Chemicals									

109

Owner of Record: Huntsman Petrochemical Corp.

81570 USA G 05JA2001 754867

Title: ADVANCED SULFOSUCCINAMATE SURFACTANTS

Client/Division: Household, I&I

Owner of Record: Huntsman Petrochemical Corp.

05JA2021

05FE2007

6602839

05AUZ003

200

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04OC2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81571	USA	G	05SE2001	946312	24DE2002	6498278	24JE2006	05SE2021	
Title:ALKOXYLATION OF 6-MEMBERED ALKYLENE CARBONATES									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81572	USA	G	30MK2001	822914	30SE2003	6627761	30MR2007	30MR2021	
Title:MULTIFUNCTIONAL CARBONATES AND DERIVATIVES									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									
81573-C1	USA	F	13FE2003	10/365770	03DE2002	6488808	03JE2006	19JA2021	
Title:STYRENE COPOLYMERS COMBINED WITH METALLIC SPECIES IN									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81574	USA	G	19JA2001	766480	19NO2002	6482292	19MY2006	19JA2021	
Title:STYRENE COPOLYMERS IN DE-INKING									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81574-D1	USA	D	G	06JE2002	10/164027	22JA2002	6340559	22JUL2005	21FE2021
Title:STYRENE COPOLYMERS IN DE-INKING									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81575	USA	G	21FE2001	789654	22JA2002	6340559	22JUL2005	21FE2021	
Title:SEMICONDUCTOR DEVELOPING AGENT									
Client/Division: Electronics									
Owner of Record: Huntsman Petrochemical Corp.									
81579	USA	F	26MR2002	10/741783					
Title:ALKYLENE CARBONATE ADJUVANTS									
Client/Division: Agricultural Chemicals									

201

207

Owner of Record: Huntsman Petrochemical Corp.

81581

USA

G

06AP2001

827526

20AUG2002

6436883

20FEB2006

06AP2021

Title:HYDRAULIC AND GEAR LUBRICANTS

Client/Division: Resources, Fuel & Lube

Owner of Record: Huntsman Petrochemical Corp.

*202*



Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04OC2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxl Tax Dt	Exp Dt
81582	USA	G	26AP2001	843330	19AU2003	6608012	19FE2007	26AP2021	
Title: PROCESS TO REMOVE PAINT AND PRIMER COATINGS FROM Client/Division: Coatings Polymers & Resins Owner of Record: Huntsman Petrochemical Corp.									
81583	USA	G	22AP2002	10/127286	06JA2004	6673212	06JL2007	22AP2022	
Title: POLYMERIZATION-INHIBITED DISTILLATION Client/Division: CARBONATES Owner of Record: Huntsman Petrochemical Corp.									
81584	USA	G	26AP2001	842451	09MR2004	6703033	09SE2007	26AP2021	
Title: ADVANCES IN TOWELETTES Client/Division: Personal Care Owner of Record: Huntsman Petrochemical Corp.									
81587	USA	F	31MY2002	10/476964					
Title: ADJUVANT COMPOSITIONS AND PESTICIDES Client/Division: Agricultural Chemicals Owner of Record: Huntsman Petrochemical Corp.									
81588	USA	G	07JA2002	10/038462	01OC2002	6458860	01AP2006	07JA2022	
Title: ADVANCES IN URETHANE FOAM CATALYSIS Client/Division: Polyurethane Catalysts Owner of Record: Huntsman Petrochemical Corp.									
81590	USA	G	10SE2001	950133	18MR2003	6534555	18SE2006	10SE2021	
Title: CATALYST SYSTEMS FOR POLYURETHANE POLYESTER FOAMS Client/Division: Specialty Amines & Urethane Catalysts Owner of Record: Huntsman Petrochemical Corp.									
81591	USA	F	11JE2002	10/479403					
Title: SYNERGISTIC AMINE CHAIN EXTENDERS IN POLYUREA SPRAY Client/Division: Polyurea Spray									

215

Owner of Record: Huntsman Petrochemical Corp.

81593 USA G 10SE2001 950147

Title: ABSORBENT POLYMER MODIFICATION

Client/Division: CARBONATES

Owner of Record: Huntsman Petrochemical Corp.

10SE2021

12MY2006

6479593

12NO2002

216

\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81595	USA	G	17SE2001	953776	17DE2002	6495722	17JSE2006	17SE2021	

Title: MANNICH POLYOLS FOR RIGID SPRAY FOAMS  
Client/Division: Polyetheramines SEU  
Owner of Record: Huntsman Petrochemical Corp.

217

81598 USA F 22OC2002 10/277551  
Title: ADVANCES IN AMINATION  
Client/Division: Fuel Additives  
Owner of Record: Huntsman Petrochemical Corp.

81599 USA F 07NO2002 10/289643  
Title: DRILLING FLUIDS  
Client/Division: Polyetheramines SBU  
Owner of Record: Huntsman Petrochemical Corp.

81600 USA F 22NO2002 10/496899  
Title: SULFOSUCCINAMATE SURFACTANTS AS DEPOSITION INHIBITORS  
Client/Division: Paper Chemicals  
Owner of Record: Huntsman Petrochemical Corp.

81601 USA F 18AP2002 10/124925  
Title: ADVANCES IN AMINATION CATALYSIS  
Client/Division: Morpholine/DGA(R) Amine  
Owner of Record: Huntsman Petrochemical Corp.

81605 USA F 08AP2003 10/408883  
Title: AMINE BLEND ACCELERATORS FOR POLYOXYALKYLENEPOLYAMINE CURED  
Client/Division: Epoxy  
Owner of Record: Huntsman Petrochemical Corp.

81607 USA F 06JE2003 10/456655  
Title: COLOR STABILIZATION OF AMINES  
Client/Division: Specialty Amines & Urethane Catalys

223

Owner of Record: Huntsman Petrochemical Corp.  
81608-C1 USA P F 18JUL2003 10/623293  
Title: PREPARATION OF SECONDARY AMINES  
Client/Division: Fuel Process  
Owner of Record: Huntsman Petrochemical Corp.

*hee*

\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 04QC2004

\*\*\*\*\*

Docket No. Ctry Types Status App Date App No Grant Dt Pat No. Nxt Tax Dt Exp Dt

81611 USA P F 03OC2002 10/263547  
Title:ALKYLBENZENE DETERGENTS WITH HIGH 2-ISOMER CONTENT  
Client/Division: Detergents  
Owner of Record: Huntsman Petrochemical Corp.

225

81614 USA F 21OC2003 10/690467  
Title:ALCOHOL ETHER SULFONATES  
Client/Division: Detergents  
Owner of Record: Huntsman Petrochemical Corp.

81616 USA F 18FE2003 10/369263  
Title:PAPER PRODUCTS SOFTENING COMPOSITION  
Client/Division: Paper Chemicals  
Owner of Record: Huntsman Petrochemical Corp.

81620 USA F 26FE2003 10/374457  
Title:Chemical Softening Compositions for Paper Products  
Client/Division: Paper Chemicals  
Owner of Record: Huntsman Petrochemical Corp.

81621 USA L F 03MO2003 60/516825  
Title:Alkylene Carbonates as Water Glass Cure Accelerants  
Client/Division: CARBONATES  
Owner of Record: Huntsman Petrochemical Corp.

03MO2004

81622 USA F 03MY2004 10/838136  
Title:Heat Activated Tertiary Amine Urethane Catalysts  
Client/Division: Specialty Amines & Urethane Catalysts  
Owner of Record: Huntsman Petrochemical Corp.

81623 USA F 19FE2003 10/370156  
Title:Alkanolamine Polymer Salt Additive for Creeping of Fibrous  
Client/Division: Paper Chemicals

231

Owner of Record: Huntsman Petrochemical Corp.

81623-D1 USA D F 26AIZ004 10/927204

Title: Alkanolamine Polymer Salt Additive for Creping of Fibrous  
Client/Division: Paper Chemicals

Owner of Record: Huntsman Petrochemical Corp.

23

\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp DC
81625	USA	F	03MR2004	10/791946					
Title: Display Methods for Liquids Having Optical Effects									
Client/Division: Surface Sciences									
Owner of Record: Huntsman Petrochemical Corp.									
81630	USA	L	05MY2003	60/467858					05MY2004
Title: Enhanced Paint Adhesion Polymer Blends									
Client/Division: Polymers									
Owner of Record: Huntsman Petrochemical Corp.									
81632	USA	F	09NY2003	10/435525					
Title: Structured Liquids Made Using LAB Sulfonates of Varied									
Client/Division: Household, I&I									
Owner of Record: Huntsman Petrochemical Corp.									
81633	USA	F	20MY2004	10/850249					
Title: Catalyst Removal Process									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81637	USA	F	15SE2004	10/941298					
Title: Catalysts useful in polyurethane foam									
Client/Division: Specialty Amines & Urethane Catalys									
Owner of Record: Huntsman Petrochemical Corp.									
81639	USA	L	15OC2003	60/511473					15OC2004
Title: Anti-fungal Glyphosate Compositions									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81642	USA	L	18DE2003	60/530586					18DE2004
Title: Surfactant Enhanced Quick Release Pesticide Granules									
Client/Division: Agricultural Chemicals									

232

239

Owner of Record: Huntsman Petrochemical Corp.

81643

USA

L

F

20JA2004

60/537511

Title: Preparation of Hydroxyalkyl Sulfonates

Client/Division: Surface Sciences

Owner of Record: Huntsman Petrochemical Corp.

20JA2005



\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
81644	USA	L	F	22JA2004	60/538536				22JA2005
Title: Modified Soy Protein Polymers as Deposition Control Agents									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81645	USA	L	F	30JA2004	60/540673				30JA2005
Title: Surface Active Polymers as Detergents									
Client/Division: Detergents									
Owner of Record: Huntsman Petrochemical Corp.									
81646	USA	L	F	30JA2004	60/540674				30JA2005
Title: Microemulsions									
Client/Division: Detergents									
Owner of Record: Huntsman Petrochemical Corp.									
81647	USA	L	F	02FE2004	60/541187				02FE2005
Title: Aliphatic Polycarbonate Binders									
Client/Division: CARBONATES									
Owner of Record: Huntsman Petrochemical Corp.									
81648	USA	L	F	03MR2004	60/549825				03MR2005
Title: Crop Oil Concentrate Adjuvants containing Amine Surfactant									
Client/Division: Agricultural Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
81649	USA	F	F	03MY2004	10/838160				
Title: OSB Boards Prepared by using an Isocyanate and a Heat									
Client/Division: Specialty Amines & Urethane Catalys									
Owner of Record: Huntsman Petrochemical Corp.									
81650	USA	L	F	20AP2004	60/563781				20AP2005
Title: OSB Boards Prepared by using an Isocyanate and a Heat									
Client/Division: Specialty Amines & Urethane Catalys									

Handwritten mark resembling a stylized '7' or 'F'.

28AP2005

Owner of Record: Huntsman Petrochemical Corp.

81650-1 USA L F 28AP2004 60/565952  
Title: OSB Boards Prepared by using an Isocyanate and a Heat  
Client/Division: Specialty Amines & Urethane Catalys  
Owner of Record: Huntsman Petrochemical Corp.

978

Patents Owned by Huntsman LLC & Subsidiaries  
 Company: Huntsman Petrochemical Corp.  
 Date of Report: 040C2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Pax Dt	Exp Dt
81651	USA	L	F	13MY2004	60/570600				13MY2005
Title: Comb-like Polyethanolamines Prepared from Epoxy Resins and Client/Division: Polyetheramines SBU Owner of Record: Huntsman Petrochemical Corp.									
81654	USA	L	F	27JL2004	60/591448				27JL2005
Title: Cosmetic Compositions Comprising Alkylene Carbonates Client/Division: Personal Care Owner of Record: Huntsman Petrochemical Corp.									
81655	USA	L	F	11AU2004	60/600598				11AU2005
Title: Improved Cure Rebond Binder Client/Division: Polyurethane Additives Owner of Record: Huntsman Petrochemical Corp.									
81655-2	USA	L	F	08SE2004	Unknown				08SE2005
Title: Improved Cure Rebond Binder Client/Division: Polyurethane Additives Owner of Record: Huntsman Petrochemical Corp.									
81656	USA	L	F	23AU2004	60/603666				23AU2005
Title: Anti-Perspirant Compositions with Improved Properties Client/Division: Personal Care Owner of Record: Huntsman Petrochemical Corp.									
81656-2	USA	L	F	08SE2004	60/607956				08SE2005
Title: Anti-Perspirant Compositions with Improved Properties Client/Division: Personal Care Owner of Record: Huntsman Petrochemical Corp.									
81657	USA	L	F	26AU2004	60/604656				26AU2005
Title: Alkaline Earth Metal Salts of Unsaturated Fatty Acid Client/Division: Personal Care									

010C2005

Owner of Record: Huntsman Petrochemical Corp.

81659

USA

L

F

010C2004

Unknown

Title: High Load Glyphosate Formulations

Client/Division: Agricultural Chemicals

Owner of Record: Huntsman Petrochemical Corp.

*Handwritten initials*

\*\*\*\*\*  
\*  
\*\*\*\*\*

Patents Owned by Huntsman LLC & Subsidiaries  
Company: Huntsman Petrochemical Corp.  
Date of Report: 040C2004

\*\*\*\*\*  
\*  
\*\*\*\*\*

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
92017	USA	G	08FE1993	14583	040C1994	5352835	04AP2006	08FE2013	
Title: SUPPORTED CATALYSTS FOR AMINATION									
Client/Division: Polyetheramines Process									
Owner of Record: Huntsman Petrochemical Corp.									
HC-003C1C1	USA	P 01	G	17AU1988	233028	15MY1990	4925988	15NO2001	15MY2007
Title: Low foaming surfactant									
Client/Division: Surface Sciences									
Owner of Record: Huntsman Petrochemical Corp.									
HC-007C1	USA	F 01	G	06AU1990	563887	27JUL1999	5929183	27JA2007	27JUL2016
Title: POLYFUNCTIONAL POLYMERS USED AS DRINKING AGENTS.									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
HC-007C1D1	USA	D 01	G	27NO1991	800178	12SE1995	5449725	12MR2007	12SE2012
Title: POLYFUNCTIONAL POLYMERS USED AS DRINKING AGENTS.									
Client/Division: Paper Chemicals									
Owner of Record: Huntsman Petrochemical Corp.									
WUR 50595USW	USA	P	G	20JL1999	764539	14MY2002	6387187	14NO2005	20JL2019
Title: Decontamination of Isocyanate Fouled Materials									
Client/Division: Coatings Polymers & Resins									
Owner of Record: Huntsman Petrochemical Corp.									

25

261