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Effective Date: 11/11/10

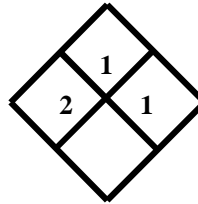
Material Safety Data Sheet

MSDS No: 30360

1. PRODUCT IDENTIFICATION

Trade Name: Ren-Weld 5169 Resin

Chemical Family: Isocyanate Prepolymer



NFPA RATING

Health:	2
Flammability:	1
Reactivity:	1
Personal Protection:	

HMIS RATING

Intended Use or Product Type: Clear rapid prototyping polyurethane resin

2. COMPOSITION / INFORMATION ON INGREDIENTS

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	101-68-8 Common Name: Concentration	Benzene, 1,1'-Methylenebis[4-Isocyanato-MDI 30.00 - 60.00 % by wt	0.005 ppm	NE	0.02 ppm	NE	NE	NR	NR	NR
*	26447-40-5 Common Name: Concentration	Benzene, 1,1'-Methylenebis[Isocyanato-Diphenylmethane diisocyanate 10.00 - 30.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	39310-05-9 Common Name: Concentration	Benzene, 1,1'-Methylenebis(Isocyanato-, homopolymer Diphenylmethane diisocyanate homopolymer 5.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	52409-10-6 Common Name: Concentration	Poly(Oxy(Methyl-1,2-Ethanediy)), alpha, alpha', alpha"-1,2,3-Propanetriyltris(omega-Hydroxy-, Polymer with 1,1'-Methylenebis(4-Isocyanatobenzene) MDI Prepolymer 10.00 - 30.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR

Effective Date: 11/11/10

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: Causes skin, eye, and respiratory irritations. May cause allergic skin and respiratory reactions.

Primary Route(s) of Entry: Dermal; heated product may produce inhalable vapors.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek immediate medical attention.

Inhalation: Remove to fresh air. Seek immediate medical attention.

Eyes: Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.

Overexposure Effects: Contact with liquid causes eye and skin irritation. If inhaled causes breathlessness, chest discomfort, and reduced pulmonary function. May cause allergic skin and respiratory reactions in some individuals, leading to asthma type spasms of the bronchial tubes and difficulty in breathing.

Medical Conditions Aggravated by Exposure: Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases, eye conditions or recurrent skin eczema or sensitization should be excluded from working with isocyanates.

Additional Information: Referral to a physician is recommended if there is any question about the seriousness of any injury.

5. FIRE FIGHTING MEASURES

Flash Point: > 93°C (> 199 °F)

Flash Point Method Used: Estimated

Flammable Limits in Air (Lower - % by volume): Not established

Flammable Limits in Air (Upper - % by volume): Not established

Fire Fighting Extinguishing Media: Carbon dioxide, dry chemical, foam, water.

Fire Fighting Equipment: Use self-contained breathing apparatus.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

Avoid water contamination in closed containers or confined spaces. Carbon dioxide evolved.

6. ACCIDENTAL RELEASE MEASURES

Effective Date: 11/11/10

Accidental Release Measures: Remove spillage by absorbing in absorbent material.

7. HANDLING AND STORAGE

Signal Word: Warning!

Precautions: Causes irritation if inhaled and can cause skin irritation, eye irritation, allergic respiratory reaction, and allergic skin reaction. Avoid breathing vapor or mist. Avoid contact with eyes, skin, and clothing. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling.

Other Handling Information: Nuisance dust may be generated when sanding or sawing cured material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection: Wear impermeable gloves.

Respiratory Protection: If a person is concerned with exposure to isocyanates, an organic respirator can provide protection at less than the TLV. It is not a requirement at an exposure level less than the TLV. For exposures in excess of the TLV, an air supplied respirator would be required. Conditions that may create exposures above the TLV are spray applications, the material being strongly heated in excess of 125F before application, or the use of material in poorly ventilated areas.

Eye Protection: Wear splash-proof chemical goggles.

Engineering Controls: General mechanical and local exhaust in accordance with ACGIH recommendations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Light Amber
Odor:	No Odor
Physical State:	Liquid
Solubility in Water:	Reacts with water
Vapor Pressure:	Not Determined
Specific Gravity:	1.19 (water = 1)
Boiling Point:	Not Determined
Evaporation Rate:	Not Determined
Vapor Density:	Not Determined
VOC:	0 g/L
pH:	Not Evaluated
Coefficient of water/oil:	Not Evaluated

10. STABILITY AND REACTIVITY

Conditions to Avoid: Avoid prolonged heating over 160 F or storing below 75 F. Avoid water contamination.

Stability: Stable.

Incompatibility: Strong oxidizers, acids and bases.

Hazardous Decomposition Products: Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.

Effective Date: 11/11/10

Hazardous Polymerization: May occur.**11. TOXICOLOGICAL INFORMATION****Inhalation Toxicity (LC50):** Component(s) are highly toxic, 0.2 - 2 mg/l or 20 - 200 ppm.

MDI= 0.49 mg/l (rat) (4 hr.)

Polymethylene polyphenyl isocyanate= 0.49 mg/l (rat) (4 hr.)

Acute Inhalation Exposure Effects: Respiratory irritant.**Sensitization:** Causes allergic skin and respiratory reactions.**Skin Irritation:** Irritant.**Eye Irritation:** Irritant.**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS****Waste Disposal Method:** Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.**14. TRANSPORT INFORMATION****DOT: Non-Bulk****Proper Shipping Name:** Not Regulated**IATA: Non-Bulk****Proper Shipping Name:** Not Regulated**IMDG: Non-Bulk****Proper Shipping Name:** Not Regulated**TDG: Non-Bulk****Proper Shipping Name:** Not Regulated**15. REGULATORY INFORMATION****US Federal Regulations:****Occupational Safety and Health Act (OSHA):** This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.**Resource Conservation and Recovery Act (RCRA):** Not specifically listed as hazardous waste under RCRA (40 CFR 261). However, it is strongly recommended that compound be treated as a hazardous waste and disposed of accordingly.

Effective Date: 11/11/10

SARA Title III: Section 313 Toxic Chemical List (TCL): This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material.

Chemical Name: Benzene, 1,1'-Methylenebis[4-Isocyanato-

Common Name: MDI

Percent in Composition: 30 - 60 % by wt

Comment:

TSCA Section 8(b) - Inventory Status: All chemical components of this product are in compliance with TSCA inventory requirements.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

International Regulations:

Australian Inventory Status: This product contains only chemicals which are currently listed on the Australian Inventory of Chemical Substances.

Canadian Inventory Status: This product contains components which are included on the Domestic Substances List (DSL) and the Non-Domestic Substances List (NDSL).

Canadian WHMIS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. D2A D2B

European Inventory Status (EINECS): This product contains only chemicals that are currently listed on the European Inventory of Existing Commercial Chemical Substances (EINECS).

Japanese Inventory Status: This product contains one or more chemicals currently not on the Japanese Ministry of International Trade and Industry List of Existing and New Chemical Substances.

State Regulations:

California Proposition 65: This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

Pennsylvania Right-to-Know: The following is required composition information:

Chemical Name: Benzene, 1,1'-Methylenebis[4-Isocyanato-

Common Name: MDI

CAS Number: 101-68-8

Comment: Environmental Hazardous Substance

Chemical Name: Poly(Oxy(Methyl-1,2-Ethanediy)), alpha, alpha', alpha"-1,2,3-Propanetriyltris(omega-Hydroxy-, Polymer with 1,1'-Methylenebis(4-Isocyanatobenzene)

Common Name: MDI Prepolymer

CAS Number: 52409-10-6

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Benzene, 1,1'-Methylenebis[Isocyanato-

Common Name: Diphenylmethane diisocyanate

CAS Number: 26447-40-5

Effective Date: 11/11/10

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Benzene, 1,1'-Methylenebis(Isocyanato-, homopolymer

Common Name: Diphenylmethane diisocyanate homopolymer

CAS Number: 39310-05-9

Comment: Not on Pennsylvania Hazardous Substance List

16. OTHER INFORMATION

MSDS No: 30360
Reason Issued: 11/10 update

Other Information: CL:W (C10020030) [C26]

Disclaimer: The information and recommendations contained herein are based upon tests in controlled laboratory conditions, are believed to be correct, and are provided for the sole purpose of hazard communication as part of Huntsman's product safety program. This product has not been tested for, and therefore is not recommended or suitable for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended or likely, or for uses for which implantation within the human body is intended, and Huntsman assumes no liability for any such uses.

The information and recommendations contained herein are not intended to constitute performance information concerning the product, which is available in separate technical data sheets available from Huntsman upon request. Users are urged, and are urged to urge others who may come in contact with the product, to obtain and consult data sheets prior to purchase, use, transportation or storage of the product.

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USER SHOULD CONSULT A LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENTAL AGENCY TO DETERMINE THE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT. HUNTSMAN DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.

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Effective Date: 11/12/10

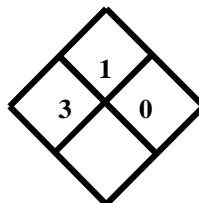
Material Safety Data Sheet

MSDS No: 30361

1. PRODUCT IDENTIFICATION

Trade Name: Ren-Weld 5169 Hardener

Chemical Family: Amine Based Polyol



NFPA RATING

Health:	3
Flammability:	1
Reactivity:	0
Personal Protection:	

HMIS RATING

Intended Use or Product Type: Red polyurethane adhesive hardener

2. COMPOSITION / INFORMATION ON INGREDIENTS

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	12136-45-7 Concentration	Potassium oxide 1.00 - 3.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	1313-59-3 Concentration	Sodium Oxide 1.00 - 3.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	1344-28-1 Common Name: Concentration	Aluminum Oxide (Al ₂ O ₃) Alumina 1.00 - 5.00 % by wt	10 mg/m ³	NE	5 mg/m ³	NE	NE	NR	NR	NR
*	25791-96-2 Common Name: Concentration	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-hydroxy-Polyether triol 10.00 - 30.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	63148-62-9 Common Name:	Siloxanes and Silicones, di-Me Dimethyl siloxanes and silicones	NE	NE	NE	NE	NE	NR	NR	NR
*	7631-86-9 Common Name: Concentration	Silica Fumed Silica 1.00 - 5.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	84-74-2 Common Name: Concentration	1,2-Benzenedicarboxylic acid, dibutyl ester Dibutyl phthalate 1.00 - 3.00 % by wt	5 mg/m ³	NE	5 mg/m ³	NE	NE	NR	NR	NR
*	9046-10-0	Poly[Oxy(Methyl-1,2-Ethanediyl)], .alpha.-(2-Aminomethylethyl)-	NE	NE	NE	NE	NE	NR	NR	NR



Effective Date: 11/12/10

	Common Name: Concentration	.omega.-(2-Aminomethylethoxy)- Polyoxypropylenediamine 1.00 - 5.00 % by wt								
*	9082-00-2 Common Name: Concentration	Oxirane, methyl-, polymer with oxirane, ether with 1,2,3- propanetriol Polyether triol 5.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	25322-69-4 Common Name: Concentration	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy- Polypropylene Glycol 10.00 - 30.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	9049-71-2 Common Name: Concentration	Poly[Oxy(Methyl-1,2-Ethanediyl)], .alpha.-Hydro.-omega.-Hydroxy-, Ether with B-D-Fructofuranosyl .alpha.-D-Glucopyranoside Sucrose based polyether polyol 30.00 - 50.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: Causes severe eye irritation and may cause eye burns. Can cause skin irritation. May be harmful if swallowed.

Chronic: This product contains dibutyl phthalate which may cause adverse reproductive effects in laboratory animals. The relevance to humans is not known.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek immediate medical attention.

Inhalation: Remove to fresh air. Seek immediate medical attention.

Eyes: Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.

Overexposure Effects: Corrosive - causes skin and eye burns. Causes irritation if inhaled and can cause allergic skin reaction. Can be harmful if swallowed.

Medical Conditions Aggravated by Exposure: Skin and eye conditions.

Additional Information: Referral to a physician is recommended if there is any question about the seriousness of any injury.

Effective Date: 11/12/10

5. FIRE FIGHTING MEASURES

Flash Point:	> 93°C (> 199 °F)
Flash Point Method Used:	Estimated
Flammable Limits in Air (Lower - % by volume):	Not established
Flammable Limits in Air (Upper - % by volume):	Not established

Fire Fighting Extinguishing Media: Carbon dioxide, dry chemical, foam, water.

Fire Fighting Equipment: Use self-contained breathing apparatus.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Remove spillage by absorbing in absorbent material.

7. HANDLING AND STORAGE

Signal Word: Danger!

Precautions: Causes severe eye irritation and may cause eye burns. Can cause skin irritation. Do not get in eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling.

Other Handling Information: Nuisance dust may be generated when sanding or sawing cured material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Wear appropriate protective equipment to avoid personal contact and exposure.

Exposure Guidelines: Treat this product as if regulated under OSHA standard: MDA, 29 CFR 1910.1050. This standard has many provisions which are beyond the scope of this MSDS to include in its entirety.

These provisions include medical surveillance and recordkeeping, emergency procedures plan, area regulation, respiratory protection and training. This MSDS contains a summary of the requirements for safe handling; we advise consulting the OSHA standard governing MDA before/during the development of a plan to handle this material in accordance with the regulation

Skin Protection: Wear neoprene gloves for intermittent contact. Wear Silver Shield gloves when long term exposure is expected.

Wear full coverage garment if bodily contact is possible, disposable is preferred. Contaminated clothing and equipment must be removed before leaving a regulated area. No contaminated clothing can be removed from the change room except for disposal or laundering and must be stored and transported in closed containers with labels warning of the hazards of DeMDA. Laundry service must be informed of the hazards if handling contaminated clothing.

Respiratory Protection: Wear appropriate respirator when ventilation is inadequate.

Wear a NIOSH/MSHA-approved full-face organic vapor cartridge respirator when vapor/mist exposure is expected. If handling a solid, add a particulate filter to the respirator. If handling in molten form, add protection against acid gases.

Eye Protection: Chemical safety goggles. If there is potential for splash, use a full face shield.

Effective Date: 11/12/10

Engineering Controls: Use local exhaust ventilation to maintain airborne concentrations below the TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Red
Physical State:	Liquid
Solubility in Water:	Slight
Viscosity:	Not Evaluated
Specific Gravity:	1.12 (water = 1)
Boiling Point:	Not Determined
Evaporation Rate:	Not Determined
Vapor Density:	Not Determined
VOC:	Negligible
pH:	Not Evaluated
Coefficient of water/oil:	Not Applicable

10. STABILITY AND REACTIVITY

Conditions to Avoid: Excessive heat for prolonged periods of time.

Stability: Stable.

Incompatibility: Strong oxidizers, acids and bases.

Hazardous Decomposition Products: Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral Effects (LD50): Component(s) are toxic, 50 - 500 mg/kg (rat).
Polyoxypropylene diamine= 480 mg/kg (rat)

Sensitization: Possible in susceptible individuals.

Carcinogenicity: Contains DeMDA which is a possible animal carcinogen and should be treated with caution.

Skin Irritation: Corrosive. Causes burns.

Eye Irritation: Corrosive. Causes burns.

Mutagenicity: Test for Benzenamine, 4,4'-methylenebis[2-ethyl-:
Ames Test - inactive without S9 and active with S9 activation
BALB/C3T3 Transformation Assay - inactive
BALB/C3T3 Transformation Assay with S9 activation - inactive
Chinese Hamster Ovary HGPRT Assay with activation - negative
Chinese Hamster Ovary Chromosomal Aberration:
without S9 activation - negative
with S9 activation - positive

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Rat Hepatocyte DNA Repair Assay - positive
In Vitro Liver Microsome N-Hydroxylation Assay - positive

Chronic Exposure Effects: For Benzenamine, 4,4'-methylenebis[2-ethyl-:
There is experimental evidence that analogous substances have caused tumors in rodents.
Analogous substances have caused damage to liver and thyroid in test animals.

Additional Information: This product contains dibutyl phthalate which may cause adverse reproductive effects in laboratory animals. The relevance to humans is not known.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT: Non-Bulk

Proper Shipping Name: Not Regulated

IATA: Non-Bulk

Proper Shipping Name: Not Regulated

IMDG: Non-Bulk

Proper Shipping Name: Not Regulated

TDG: Non-Bulk

Proper Shipping Name: Not Regulated

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261) but handle with care due to corrosive effect on skin and eyes.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material.

Chemical Name: Aluminum Oxide (Al₂O₃)
Common Name: Alumina
Percent in Composition: 1 - 5 % by wt
Comment: 1%

Chemical Name: 1,2-Benzenedicarboxylic acid, dibutyl ester

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Common Name: Dibutyl phthalate
Percent in Composition: 1 - 3 % by wt
Comment: 1%

TSCA Section 8(b) - Inventory Status: All chemical components of this product are in compliance with TSCA inventory requirements.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

International Regulations:

Australian Inventory Status: This product contains one or more chemicals currently not on the Australian Inventory of Chemical Substances.

Canadian Inventory Status: This product contains one or more chemicals currently not on the Canadian Domestic Substance List.

Canadian WHMIS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. D2A, D2B

European Inventory Status (EINECS): This product contains only chemicals that are currently listed on the European Inventory of Existing Commercial Chemical Substances (EINECS).

Japanese Inventory Status: This product contains one or more chemicals currently not on the Japanese Ministry of International Trade and Industry List of Existing and New Chemical Substances.

State Regulations:

California Proposition 65: The following is required composition information. This product contains the following chemical(s) which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:

Chemical Name: 1,2-Benzenedicarboxylic acid, dibutyl ester
Common Name: Dibutyl phthalate
CAS Number: 84-74-2
Percent in Composition: 1 - 3 % by wt
Comment: Warning! This chemical is known to the State of California to cause birth defects or other reproductive harm.

Pennsylvania Right-to-Know: The following is required composition information:

Chemical Name: Poly[Oxy(Methyl-1,2-Ethanediy)], .alpha.-Hydro-.omega.-Hydroxy-, Ether with B-D-Fructofuranosyl .alpha.-D-Glucopyranoside
Common Name: Sucrose based polyether polyol
CAS Number: 9049-71-2
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Poly[oxy(methyl-1,2-ethanediy)], .alpha.,.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-hydroxy-
Common Name: Polyether triol
CAS Number: 25791-96-2
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Poly[oxy(methyl-1,2-ethanediy)], .alpha.-hydro-.omega.-hydroxy-
Common Name: Polypropylene Glycol

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CAS Number: 25322-69-4

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol

Common Name: Polyether triol

CAS Number: 9082-00-2

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Poly[Oxy(Methyl-1,2-Ethanediy)], .alpha.-(2-Aminomethylethyl)-.omega.-(2-Aminomethylethoxy)-

Common Name: Polyoxypropylenediamine

CAS Number: 9046-10-0

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Silica

Common Name: Fumed Silica

CAS Number: 7631-86-9

Comment: Hazardous Substance

Chemical Name: Aluminum Oxide (Al₂O₃)

Common Name: Alumina

CAS Number: 1344-28-1

Comment: Environmental Hazardous Substance

Chemical Name: 1,2-Benzenedicarboxylic acid, dibutyl ester

Common Name: Dibutyl phthalate

CAS Number: 84-74-2

Comment: Environmental Hazardous Substance

16. OTHER INFORMATION**MSDS No:**

30361

Reason Issued:11/10 update - 3/08 update DeMDA
warning**Other Information:** JLW/DEMDA/T/CA2 (J14422532) [J78]

Disclaimer: The information and recommendations contained herein are based upon tests in controlled laboratory conditions, are believed to be correct, and are provided for the sole purpose of hazard communication as part of Huntsman's product safety program. This product has not been tested for, and therefore is not recommended or suitable for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended or likely, or for uses for which implantation within the human body is intended, and Huntsman assumes no liability for any such uses.

The information and recommendations contained herein are not intended to constitute performance information concerning the product, which is available in separate technical data sheets available from Huntsman upon request. Users are urged, and are urged to urge others who may come in contact with the product, to obtain and consult data sheets prior to purchase, use, transportation or storage of the product.

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Effective Date: 11/12/10

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