

Safety Data Sheet

Revision Date 10-25-2016
Revision Number 11



SECTION 1 Identification of the substance/mixture and of the company/undertaking

Product identification used on label

Product identifier	2707 DAUBOND® 6429B
Details of the supplier of the safety data sheet	Daubert Chemical Company 4700 S. Central Avenue Chicago, IL 60638 708-496-7350
Emergency telephone number	Chemtrec: (800) 424-9300
Relevant identified uses of the substance or mixture and uses advised against	Urethane curing agent

SECTION 2 Hazards identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Hazard Symbols



GHS Classification	Serious Eye Damage/Eye Irritation Category 1 Respiratory Sensitisation Category 1 Skin Sensitisation Category 1 Skin Corrosion/Irritation Category 2 Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3 Hazardous to the aquatic environment - Acute Category 3 Acute Toxicity - Inhalation Vapour Category 4
Signal Word	Danger
Hazard Statements	Causes skin irritation May cause an allergic skin reaction Causes serious eye damage Harmful if inhaled May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause respiratory irritation Harmful to aquatic life.
Precautionary Statements	
Prevention	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.

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Response	Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Specific treatment: None known If skin irritation or rash occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Storage	Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

SECTION 3 Composition/information on ingredients

Chemical Name	CAS #	%
Polyoxyethylene tridecyl ether phosphate	9046-01-9	1 - 5
Hexamethylene diisocyanate	822-06-0	0.1 - 1

Note: Specific chemical identities and/or exact percentages have been withheld as a trade secret.

SECTION 4 First aid measures

Inhalation	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately. If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
Eyes	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion	Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.
Most important symptoms/effects, acute and delayed	See Section 11
Indication of immediate medical attention and special treatment needed	Treat symptomatically.

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SECTION 5 Firefighting measures

Suitable extinguishing media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.
Unsuitable extinguishing media:	No data available
Fire and/or Explosion Hazards	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Fire Fighting Methods and Protection	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use appropriate methods for the surrounding fire.
Hazardous Combustion Products	Oxides of carbon, Oxides of nitrogen

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Clean up spills immediately using Protective Equipment recommended in Section VIII at a minimum.
Methods and materials for containment and cleaning up	Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.

SECTION 7 Handling and storage

Precautions for safe handling	Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Wash thoroughly after handling. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not get in eyes, on skin and clothing. Maintain a nitrogen blanket on vessels containing solutions.
Conditions for safe storage, including any incompatibilities	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from heat, sparks, and flame.
Incompatible materials	Strong oxidizing agents, Strong acids, Water, Amines, Caustics (bases), Alcohols

SECTION 8 Exposure controls/personal protection

Control parameters

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>
Hexamethylene diisocyanate	.005 ppm		

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Engineering Measures	No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Ventilation is required to maintain operator exposure below published exposure limits. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits
Respiratory Protection	Proper ventilation (at a minimum) will be required when handling this product. Use respirators (NIOSH approved) only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator. Wear a NIOSH approved respirator if any exposure is possible.
Eye Protection	Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.
Skin Protection	Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Use of protective coveralls and long sleeves is recommended.
Gloves	Butyl rubber

SECTION 9 Physical and chemical properties (Typical, not specification)

Physical State	Liquid
Color	Pale yellow
Odor	None to very faint
Odor Threshold	No data available
pH	No data available
Melting Point/freezing point, °C	No data available
Initial boiling point and boiling range, °C	150
Flash Point	320 °F(160 °C)
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Lower Flammable/Explosive Limit, % in air	No data available
Upper Flammable/Explosive Limit, % in air	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity @ 25°C	1.14
Solubility in Water	Reacts with water.
Octanol/Water Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	1400 cP
Volatiles, % by weight	No data available
VOC, Material, lb/gal	No data available
VOC, Material, grams/liter	No data available

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SECTION 10 Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	High humidity,
Incompatible materials	Strong oxidizing agents, Strong acids, Water, Amines, Caustics (bases), Alcohols
Hazardous decomposition products	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

SECTION 11 Toxicological information

Likely Routes of Entry	Inhalation, Skin contact, Eye contact
Target Organs Potentially Affected by Exposure	Eyes, Respiratory Tract, Skin
Chemical Interactions That Change Toxicity	No chemical interaction known to affect toxicity.
Medical Conditions Aggravated	Skin contact may aggravate existing skin disease, Respiratory disease including asthma and bronchitis

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Sensitizer! Avoid exposure. If sensitized, exposure below the published exposure limits (e.g. TLV or PEL) can result in respiratory irritation, shortness of breath and difficulty breathing. These asthma-type symptoms may develop immediately or be delayed up to several hours.
Inhalation Toxicity	Can cause systemic damage (see "Target Organs")
Skin Contact	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. May cause skin irritation. Allergic reactions are possible. May cause sensitization.
Skin Absorption	May cause irritation and minor systemic damage.
Eye Contact	Causes severe eye injury.
Ingestion Irritation	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.
Ingestion Toxicity	Harmful if swallowed.

Long-Term (Chronic) Health Effects

Carcinogenicity	There are no carcinogenic ingredients present at or over 0.1%.
Inhalation	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption	Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.
Ingestion	Under normal industrial usage conditions, ingestion is highly unlikely.

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Component Toxicology Data

Chemical Name	CAS Number	LD50/LC50
Hexamethylene diisocyanate	822-06-0	Dermal LD50 Rabbit > 7000 mg/kg Oral LD50 Rat 746 mg/kg Inhalation LC50 (4h) Rat 0.124 mg/L

SECTION 12 Ecological information

Overview	No ecological information available
Mobility	No data
Persistence	No data
Bioaccumulation	No data
Degradability	No data

Ecotoxicity Data

Chemical Name	CAS Number	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Polyoxyethylene tridecyl ether phosphate	9046-01-9			EC50 (48 hr) Zebra Fish 10 mg/L
Hexamethylene diisocyanate	822-06-0	LC50 (48 hr) Daphnia >= 89.1 mg/L	EC50 (72 hr) Green algae > 77.4 mg/L	LC50 (96 hr) Zebra Fish >= 82.8 mg/L

SECTION 13 Disposal considerations

Waste Description for Spent Product	Spent or discarded material is not expected to be a hazardous waste.
Disposal Methods	Dispose of in accordance with Local and National regulations.
Waste Disposal Code(s)	Not applicable

SECTION 14 Transport information

Full shipping name for Export, Air, Sea (any quantity unless flash pt. >150°F) or vessels of 119 GL or more	Cement, Adhesive, Curing Agent / Non-Hazardous
Domestic Ground in vessels < 119 gal.	Non-Hazardous

SECTION 15 Regulatory information

Status of formula components on selected national regulatory inventories:

LIST	STATUS
TSCA	All components in this product are on the TSCA Inventory or exempt.
Canadian DSL	All chemical substances in this material are included on or exempted from listing on the Canadian DSL.

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Chemical Name
Hexamethylene diisocyanate

CAS #
822-06-0

Regulation
CERCLA

Percent
0.1 - 1
RQ = 100 lbs.

No 313-listed chemicals in this product.

SARA 313

No SARA 302 EHS-listed chemicals in this product.

SARA EHS

SECTION 16 Other information

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Disclaimer Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.

Version Reviewed

Comments Approved: M. Hogan