

Slat Shield Plus

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Slat Shield Plus
Common Name: Slat Shield Plus
SDS Number: Slat Shield Plus
Revision Date: 12/22/2015

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 1
Environmental, Hazards to the aquatic environment - Acute, 3
Health, Acute toxicity, 4 Oral

GHS Label elements, including precautionary statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Hazard Statements:

H318 - Causes serious eye damage
H402 - Harmful to aquatic life
H302 - Harmful if swallowed

GHS Precautionary Statements:

P264 - Wash _ thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P330 - Rinse mouth.
P501 - Dispose of contents/container to _

Hazards not otherwise classified (HNOC) or not covered by GHS

Route of Entry: Eyes; Ingestion; Inhalation; Skin;
Target Organs: Digestive tract;
Inhalation: Not typical route of entry
Skin Contact: May cause irritation.
Eye Contact: May cause irritation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
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111-42-2 <2% Diethanolamine

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact: Wash with soap and water.
Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Ingestion: Drink large quantities of water. Do not induce vomiting Seek immediate medical attention

5 FIRE FIGHTING MEASURES

Flash Point: >200 F
Flash Point Method: Closed Cup

Exposure to extreme heat will cause increasing pressure in closed containers and may cause container rupture Dry powder, foam, carbon dioxide. Wear self-contained breathing apparatus and other protective clothing.

6 ACCIDENTAL RELEASE MEASURES

Pump into suitable container
Flush area with warm soapy water.

Dispose in accordance with local, state & federal regulations

7 HANDLING AND STORAGE

Handling Precautions: Avoid breathing vapors or mist. Keep material out of reach of children. Use in well ventilated area
Storage Requirements: Store in cool/dry area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment: Diethanolamine (111-42-2) [<2%]
Personal protective equipment
Eye/face protection: Tightly fitting safety goggles.). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Full contact: Material: Nature latex/chloroprene Minimum layer thickness: 0.6 mm Break through time: 480 min Material tested: Lapren (KCL 706 / Aldrich Z677558, Size M)
Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 30 min Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It

Should not be construed as offering an approval for any specific use scenario.

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

HMIS PP, B | Safety Glasses, Gloves

Diethanolamine (111-42-2) [<2%]

Components with workplace control parameters

TWA 3 ppm USA. OSHA - TABLE Z-1
Limits for 15 mg/m³ Air Contaminants - 1910.1000

TWA 1 mg/m³ USA. ACGIH Threshold Limit Values
(TLV)

Liver & kidney damage
Confirmed animal carcinogen with unknown relevance to humans
Danger of cutaneous absorption

TWA 3 ppm USA. NIOSH
Recommended 15 mg/m³ Exposure
Limits

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Amber Liquid	Odor:	Slight
Physical State:	Liquid	Flash Point:	> 200 F
Spec Grav./Density:	1.0	Vapor Density:	Air
Boiling Point:	>200 F		
Vapor Pressure:	25 mm Hg @ 68 F		
Evap. Rate:	<Ether		

10 STABILITY AND REACTIVITY

Reactivity:	Strong oxidizers
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Excessive Heat
Materials to Avoid:	Strong Oxidizing Agents.
Hazardous Decomposition:	Carbon Oxides, Aldehydes, Aromatic and other Hydrocarbons
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Diethanolamine (111-42-2) [<2%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 710 mg/kg

Inhalation: no data available

LD50 Dermal - rabbit - 12,200 mg/kg

LD50 Intraperitoneal - rat - 12LD50

Intravenous - rat - 778 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 24 h (Draize Test)

Serious eye damage/eye irritation: Eyes - rabbit Result: Severe eye irritation - 24 h

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Diethanolamine)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: KL2975000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Liver - Irregularities - Based on Human Evidence

12 ECOLOGICAL INFORMATION

Diethanolamine (111-42-2) [<2%]

Information on ecological effects

Toxicity:

Toxicity to fish mortality NOEC - Cyprinodon variegatus (sheepshead minnow) - 540 mg/l - 96:

h

LC50 - Pimephales promelas (fathead minnow) - 1,460 mg/l - 96 h

Toxicity to daphnia and mortality NOEC - Daphnia magna (Water flea) - < 4.2 mg/l - 11 d.

other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - 55 mg/l - 48 h

Persistence and degradability: Biodegradability Result: > 90 % - Readily biodegradable.

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life: no data available

13 DISPOSAL CONSIDERATIONS

Diethanolamine (111-42-2) [<2%]

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

14 TRANSPORT INFORMATION

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

RQ(100LBS), Diethanolamine (111-42-2) [<2%] CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

Regulatory CODE Descriptions

RQ = Reportable Quantity
CERCLA = Superfund cleanup substance
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHA = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

NFPA: HMIS Health = 1, Fire = 1, Reactivity = 0, Specific Hazard = n/a
III: HMIS PPE: Health = 1, Fire = 1, Physical Hazard = 0
B - Safety Glasses, Gloves



HMIS	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

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