

Safety Data Sheet

Revision Date 01-06-2017
Revision Number 16



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

Product identification used on label

Product identifier	2113 DAUBOND® DC-8855-A
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	2-Component Adhesive

SECTION 2 Hazards identification

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

GHS Hazard
Symbols



GHS Classification	Skin Sensitisation Category 1 Skin Corrosion/Irritation Category 2 Serious Eye Damage/Eye Irritation Category 2A Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2 Hazardous to the aquatic environment - Acute Category 2 Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3
Signal Word	Warning
Hazard Statements	Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation May cause respiratory irritation May cause drowsiness or dizziness May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life.
Unclassified Hazards (HNOC):	None Identified
Precautionary Statements	
Prevention	Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area.

Safety Data Sheet

Revision Date 01-06-2017
Revision Number 16

Response	Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face 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. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment: None known If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
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 #	%
Bisphenol-A-diglycidylether	25068-38-6	40 - 60
Hexanedioic acid, dimethyl ester	627-93-0	5 - 10
Oxirane, 2,2'-[1,4-cyclohexanediylbis(methyleneoxymethylene)]bis-	14228-73-0	5 - 10

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.
Eyes	Immediately 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 and monitor the eye daily as advised by your physician.
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 and 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.

Safety Data Sheet

Revision Date 01-06-2017
Revision Number 16

SECTION 5 Firefighting measures

Suitable extinguishing media:	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Fire and/or Explosion Hazards	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.
Fire Fighting Methods and Protection	Container may explode in heat of fire. 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	Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases, Hydrocarbons

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section VIII of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Methods and materials for containment and cleaning up	Prevent the spread of any spill to minimize harm to the environment. Keep out of sewage systems and any water course. Absorb spill with liquid-binding material (sand, sawdust, etc.). Collect and discard in accordance with local, state and national regulations.

SECTION 7 Handling and storage

Precautions for safe handling	Avoid contacting and avoid breathing the material. Use only in a well ventilated area. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Remove contaminated clothing and wash before reuse.
Conditions for safe storage, including any incompatibilities	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Store away from sources of heat and light. Store in a cool dry place.
Incompatible materials	Strong acids, Caustics (bases), Strong oxidizing agents

Safety Data Sheet

Revision Date 01-06-2017
Revision Number 16

SECTION 8 Exposure controls/personal protection

Control parameters

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>
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No exposure limits in vapor form

Engineering Measures	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. 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.
Eye Protection	Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses.
Skin Protection	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. 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.
Gloves	Impervious rubber

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

Physical State	Liquid
Color	Pink
Odor	Mild
Odor Threshold	No data available
pH	No data available
Melting Point/freezing point, °C	No data available
Initial boiling point and boiling range, °C	No data available
Flash Point	216 °F(102 °C)
Evaporation Rate	<1 (n-Butyl Acetate=1)
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	0.02 mmHg
Vapor Density	>1 (Air=1)

Safety Data Sheet

Revision Date 01-06-2017
Revision Number 16

Specific Gravity @ 25°C	1.38
Solubility in Water	Negligible; 0-1%
Octanol/Water Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	4800 cP
Volatiles, % by weight	6.0
VOC, Material, lb/gal	.25
VOC, Material, grams/liter	30
VOC minus exempt solvents & water, lb/gal	0.25

SECTION 10 Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under normal conditions. Hazardous polymerization will not occur.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Contamination.
Incompatible materials	Strong acids, Caustics (bases), Strong oxidizing agents
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	Respiratory Tract, Skin, Eyes
Chemical Interactions That Change Toxicity	No chemical interaction known to affect toxicity.

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
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.
Eye Contact	Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.
Ingestion Irritation	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.
Ingestion Toxicity	Not believed to have any significant toxicity.

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.

Safety Data Sheet

Revision Date 01-06-2017
Revision Number 16

Skin Absorption Skin sensitization, characterized by redness, inflammation, itching and/or burning may result from prolonged or repeated contact with this material.

Ingestion Under normal industrial usage conditions, ingestion is highly unlikely.

Additional Health Effects Harmful if inhaled or absorbed through skin.

Component Toxicology Data

Chemical Name	CAS Number	LD50/LC50
Bisphenol-A-diglycidylether	25068-38-6	Dermal LD50 Rat 2000 mg/kg Oral LD50 Rat > 11400 mg/kg
Hexanedioic acid, dimethyl ester	627-93-0	Dermal LD50 Rabbit 5000 mg/kg Oral LD50 Rat > 5000 mg/kg Inhalation LC50 Rat > 11 mg/L
Oxirane, 2,2'-[1,4-cyclohexanediy]bis(methyleneoxymethylene)]bis-	14228-73-0	Oral LD50 Rat > 2000 mg/kg

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
Bisphenol-A-diglycidylether	25068-38-6	EC50 (48 hr) Water flea = 2.1 mg/L	EC50 (72 hr) Algae > 11 mg/L	LC50 (96 hr) Fish 1.3 mg/L
Hexanedioic acid, dimethyl ester	627-93-0	LC50 (48 hr) Daphnia > 215 mg/L	EC50 (72 hr) Algae > 100 mg/L	LC50 (72 hr) Fish 30 ppm

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, Non-Hazardous
Domestic Ground in vessels < 119 gal.	Non-Hazardous

Safety Data Sheet

Revision Date 01-06-2017
Revision Number 16

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.

Chemical Name	CAS #	Regulation	Percent
No CERCLA-listed chemicals in this product.		CERCLA	
No 313-listed chemicals in this product.		SARA 313	
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

SECTION 16 Other information

Revision 01-06-2017

Date

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