



SAFETY DATA SHEET

CSR-1200

Section 1. Identification

GHS product identifier : CSR-1200
Other means of identification : Hydrophobic Foam

Relevant identified uses of the substance or mixture and uses advised against

Not available

Supplier's details : Concrete Sealants, Inc.
9325 St. Rte. 201
Tipp City, Ohio 45371
Tel.: 937-845-8776
Toll-free: 800-332-7325
Fax: 937-845-3587
Email: hello@conseal.com
Website URL: www.conseal.com

Emergency telephone number (with hours of operation) : 937-845-8776 or 800-332-7325
(6am to 5pm EST)

Section 2. Hazards Identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : ACUTE TOXICITY, INHALATION (Category4)
SKIN IRRITATION (Category2)
EYE IRRITATION (Category2A)
RESPIRATORY SENSITIZATION (Category1)
SKIN SENSITIZATION (Category1)
CARCINOGENICITY (Category2)
SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE (Category3),
RESPIRATORY SYSTEM
SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE, INHALATION
(Category2), RESPIRATORY SYSTEM
REPRODUCTIVE TOXICITY (Category1B)
ACUTE AQUATIC TOXICITY (Category1)

GHS label elements



Signal word : DANGER

Hazard statements : Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs (Respiratory system) through prolonged or repeated exposure if inhaled. May damage fertility of the unborn child. Very toxic to aquatic life.

Precautionary statements

Section 2. Hazards Identification

- General** : Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/ fume/ gas/ mist/ vapors/spray. Wash skin thoroughly after handling.
- Prevention** : 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. Wear protective gloves/ eye protection/ face protection.
- Response** : IF ON SKIN: Wash with plenty of water.
 IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.
 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). If skin irritation or rash occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. Collect spillage.
- Storage** : Store in a well-ventilated place. Keep container tightly closed. Store locked up.
- Disposal** : Dispose of contents / container to an approved waste disposal plant.
- Hazards not otherwise classified** : Lachrymator, Contains isocyanate.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available
- CAS number/other identifiers**
- CAS number** : Not applicable
- Product code** : Not available

Ingredient name	%	CAS number
Diphenylmethane-4,4'-Diisocyanate	<10	101-68-8
Methylenediphenyldiisocyanate, isomers and homologues	<10	26447-40-5
Dibutyl Phthalate	<50	84-74-2
Polymeric M01	25-50	9016-87-9

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention. Immediately take off all contaminated clothing. For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.
- Inhalation** : If inhalation of gas /fume/vapor/dust/mist from the material is excessive (air concentration is greater than the TLV or health effect are noticed), immediately remove the affected person(s) to fresh air. Seek medical attention.
- Skin contact** : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

Section 4. First aid measures

Ingestion : Wash mouth out with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments : None known
Protection of first-aiders : None known

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media : Water spray, dry chemical, carbon dioxide, Alcohol foam.
Unsuitable extinguishing media : None known

Specific hazards arising from the chemical : No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition materials may include the following materials:
carbon dioxide
carbon monoxide
oxides of nitrogen
HCN

Special protective actions for firefighters : No special measures are required.

Special protective equipment for firefighters : Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protective equipment.

Section 6. Accidental release measures

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel.”

Environmental precautions : None require if used according to recommended conditions.

Methods and materials for contaminant and cleaning up

Spill : For major spills call Chemtrec (800-424-9300). Clean up should be performed by trained personnel. People dealing with major spillage should wear full protective clothing including appropriate respiratory protection. Evacuate the area. Prevent further leakage, spillage or entry in drains or subsoil/ soil.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Avoid breathing aerosols, mists and vapors. Avoid contact with skin and eyes. Provide adequate ventilation

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and faces before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : If container is exposed to high heat, it can be pressurized and possible rupture explosively. Keep the container tightly closed and in a cool, well-ventilated place. Keep away from water.

Section 8. Exposure Controls / Personal Protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
4,4'-Diphenylmethane Diisocyanate	ACGIH TLV 0.05 mg/M ³ (8-hours, 40hours/week) OSHA PEL CEILING 0.20mg/M ³ NIOSH REL/TWA 0.05 MG/m ³ (10-hour,40 hour/week) NIOSH REL/CEILING 0.20 mg/M ³ (10-minute)
Dibutyl phthalate	OSHA TLV 5mg/m ³ (8-hour, 40 hours/week) NIOSH REL/TWA 5mg/m ³ (10-hour, 40 hour/week)

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures : Appropriate techniques should be used to remove potentially contaminated clothing. IF ON SKIN (or hair): Wash contaminated clothing before reuse.

Eye/face protection : Wear safety glasses; chemical goggles (if splashing is possible).

Skin protection

Hand protection : Gloves –neoprene, nitrile rubber, butyl rubber. Avoid thin latex disposable gloves for repeated or long-term use.

Body protection : Protective clothing should be selected.

Respiratory protection : When the product is sprayed or heated without adequate ventilation, an approved MSHA/NIOSH positive-pressure, supplied-air respirator may be required.

Section 9. Physical and Chemical Properties

Appearance

Physical state	: Slightly viscous liquid
Color	: brown
Odor	: sweet
Odor threshold	: Not available
pH	: Not available
Melting point	: Not available
Boiling point	: >260°F DECOMP
Flash point	: 157°C Pensky Martin Closed Cup
Burning time	: Not available
Burning rate	: Not available
Evaporation rate	: (BUTYL ACETATE-1): 1.8
Flammability (solid, gas)	: Not available
Lower and upper explosive (flammable) limits	: Not available
Vapor pressure	: (AIR=1) 8,5
Vapor density	: Not available
Relative density	: Not available
Solubility	: (H ₂ O): INSOLUBLE reacts with water
Solubility in water	: Not available
Partition coefficient n-octanol/water	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
SADT	: Not available
Viscosity	: Not available

Section 10. Stability and Reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Polymerization may occur at elevated temperatures in the presence of alkalis, tertiary amines and metal compounds.
Conditions to avoid	: No specific data.
Incompatible materials	: Water, amines, strong bases, alcohols, metal compounds and surface-active materials.
Hazardous decomposition products	: By high heat and fire: carbon dioxide, carbon monoxide and oxides of nitrogen.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Diphenylmethane-4,4'-Diisocyanate	LD50 Dermal	Rabbit-male, female	>9400 mg/kg	-
	LD50 Intraperitoneal	Rabbit- male	100 mg/kg	-
	LD50 Oral	Rat- male, female	>2000 mg/kg	-
	LC50 Inhalation	Rat- male, female	>2.24 mg/L	-
Methylenediphenyldiisocyanate, isomers and homologues	LD50 Dermal	Rabbit- male, female	>9400 mg/kg	-
Dibutyl phthalate	LD50 Oral	Rat	8000 mg/kg	-
	LC50 Inhalation	Rat	4250 mg/kg	-
	LD50 Dermal	Rabbit	>20.9 g/kg	-

Irritation/Corrosion

There is no data available

Sensitization

Skin : There is no data available

Respiratory : There is no data available

Mutagenicity

There is no data available

Carcinogenicity

There is no data available

Reproductive toxicity

There is no data available

Teratogenicity

There is no data available

Specific target organ toxicity (single exposure)

There is no data available

Specific target organ toxicity (repeated exposure)

There is no data available

Aspiration hazard

There is no data available

Information on the likely routes of exposure : Not available

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Section 11. Toxicological Information

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available

Section 12. Ecological Information

Toxicity

Product/ingredient name	Result	Species	Exposure
Polymeric MDI	LC50	Zebra fish >1000mg/l	24 hours
	EC50	Daphnia magna>1000mg/l	24 hours
	EC50	E.Coli >100 mg/l	24 hours
Dibutyl phthalate	LC50	fathead minnow.85 mg/l (flow-through)	96 hours
	LC50	rainbow trout1.25 mg/l (flow-through)	96 hours
	LC50	bluegill 0.42 mg/l (flow-through)	96 hours

Persistence and degradability

There is no data available

Bioaccumulative potential

There is no data available

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal Considerations

Disposal methods : Dispose of water material according to local, state, federal, and provincial environmental regulations. This material is not hazardous waste under RCRA 40 CFR 261. Small quantities should be treated with a decontaminant solution. The treated waste is not a hazardous material under RCRA 40 CFR 261. Chemical waste, even in small quantities, should never be discarded down drains, sewers or waterways.

Section 14. Transport Information

	DOT Classification	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available

Section 15. Regulatory Information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
United States inventory (TSCA 8b): All components are listed or exempt.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
No products were found						

Section 15. Regulatory Information

SARA 304 RQ : Not applicable

SARA 311/312

Classification : Not applicable

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Dibutyl phthalate		No.	No.	No.	Yes.	No.

SARA 313

	Product name	CAS number	%
Form R – Reporting requirements	4,4'-Methylene diphenyl diisocyanate	26447-40-5	
Supplier notification	Dibutyl phthalate	84-74-2	

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** :
- New York** :
- New Jersey** :
- Pennsylvania** :

California Prop. 65 WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
DIBUTYL PHTHALATE	No.	Yes.		

International regulations

- International lists** : **Australia inventory (AICS)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory: Not determined.
Korea inventory: Not determined.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals

Chemical Weapons Convention List Schedule III Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals

Section 16. Other Information

History

Date of issue mm/dd/yyyy	: 6/01/2015
Version	: 1
Revised sections	: Not applicable
Prepared by	: Concrete Sealants
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

Notice to reader

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