

SAFETY DATA SHEET

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1. COMPANY AND PRODUCT IDENTIFICATION

Product identifier

Product Name: SynDeck® Underlayment Sealer Part B Hardener SB1257

Product code: SB1257

Other means of identification

Synonyms No information available

Application

Recommended Use Adhesives and/or Sealants
Uses advised against For industrial use only

Supplier/Manufacturer:

Supplier:
EPMAR Corporation
13240 E. Barton Circle
Whittier, CA 90605-3254
Phone: 562-946-8781
FAX: 562-944-9958
E-mail: she@quakerchem.com
(For Health and Safety Questions)

Emergency telephone number:

* 24 HOUR TRANSPORTATION:
**CHEMTREC: 1-800-424-9300
+703-527-3887 (Call collect outside of US)
* 24 HOUR EMERGENCY HEALTH & SAFETY:
**(800) 523-7010 (Within US only) Outside of US call (703)
527-3887

2. HAZARDS IDENTIFICATION

Classification


OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin Sensitization	Category 1
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Chronic aquatic toxicity	Category 1

Label Elements

Emergency Overview

DANGER		
Hazard Statements harmful if swallowed Causes severe skin burns and eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child May cause respiratory irritation. May cause drowsiness or dizziness Very toxic to aquatic life with long lasting effects		
		
Appearance Clear Light yellow	Physical State Liquid	Odor Amine

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
wear protective gloves
Use only outdoors or in a well-ventilated area
Avoid release to the environment

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
Specific treatment (see First Aid on this label)
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
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash

contaminated clothing before reuse If skin irritation or rash occurs: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician Call a POISON CENTER or doctor/physician if you feel unwell
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth Do not induce vomiting
Collect spillage

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

May be harmful in contact with skin. Toxic to aquatic life.

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No	Weight %
Para-tertiary-butylphenol	98-54-4	40 - 50%
1,6-Hexanediamine, C,C,C-trimethyl-	25620-58-0	20 - 30%
1,3-Benzenedimethanamine	1477-55-0	20 - 30%
Nonylphenol	25154-52-3	1 - 5%

Physico-chemical properties: Corrosive

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. Consult a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Skin contact: Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person Do not induce vomiting without medical advice.

Inhalation: Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, give oxygen If not breathing, give artificial respiration Consult a physician.

Note to physician: In case of ingestion, the stomach should be emptied by gastric lavage under qualified

medical supervision. Material is corrosive. It may not be advisable to induce vomiting. Possible mucosal damage may contraindicate the use of gastric lavage.

Medical condition aggravated by exposure: None known.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide (CO2) Dry chemical Alcohol-resistant foam Dry sand Limestone powder

Specific hazards: Do not allow material to contaminate ground water system.

Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific methods: Water mist may be used to cool closed containers

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Do not breathe vapour/dust. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Environmental precautions: Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling

Technical measures/precautions: Provide sufficient air exchange and/or exhaust in work rooms.

Safe handling advice: In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling.

Storage

Technical measures/storage conditions: Store at room temperature in the original container.

Incompatible products: Strong oxidizing agents

Safe storage temperature: 50 - 100 °F

Shelf life: 18 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
1,3-Benzenedimethanamine	None	None	0.1 mg/m ³ (Ceiling)

Engineering measures: Ensure adequate ventilation

Personal Protective Equipment:

General: Eye Wash and Safety Shower

Respiratory protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organic vapor/P100 filter should be worn.

Eye protection: Safety glasses with side-shields

Hand protection: Neoprene gloves, Impervious gloves

Skin and body protection: Long sleeved clothing

Hygiene measures: Wash hands before breaks and immediately after handling the product Discard contaminated leather articles.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear Light yellow
Odor	Amine
Odor Threshold	No information available
pH concentrate:	No information available
pH Dilution	No information available
Melting/freezing point	No information available
Boiling Point/Range	No information available
Flash Point	> 110 °C / > 230 °F
Method	PMCC (Pensky-Martens Closed-Cup)
Evaporation rate	No information available
Flammability Limits in Air	

upper flammability limit	No information available
lower flammability limit	No information available
VOC Content Product (lb/gal)	0
VOC Content Product (g/L)	0
VOC less water and exempt (lb/gal)	0
VOC less water and exempt (g/L)	0
HAP Content Product (g/L):	0
HAP Content Product (lb/gal)	0
Solids (% w/w):	100
Solids (% v/v):	100
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity (g/cc, 15 C)	No information available
Density @ 25 ° C. (g/cc):	0.974
Bulk Density @ 77° F. (lb/gal):	8.13
Water Solubility	Negligible
Solubility in other solvents	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition Temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Molecular Weight	No information available

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	None known.
Materials to avoid:	Strong oxidizing agents.
Hazardous decomposition products:	None under normal use.
Hazardous Polymerization:	Not applicable.

11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

Information on likely routes of exposure

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Corrosive to the eyes and may cause severe damage including blindness.
Skin Contact	Contact causes severe skin irritation and possible burns. May cause sensitization by skin contact.
Ingestion	Harmful if swallowed.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Para-tertiary-butylphenol	= 3250 µL/kg (Rat) Oral LD50 Rat 3250 µL/kg (Source: NLM_CIP)	= 2318 mg/kg (Rabbit) Dermal LD50 Rabbit 2318 mg/kg (Source: IUCLID)	-
1,6-Hexanediamine, C,C,C-trimethyl-	= 910 mg/kg (Rat) Oral LD50 Rat 910 mg/kg (Source: IUCLID)	-	-
1,3-Benzenedimethanamine	= 660 mg/kg (Rat) Oral LD50 Rat 660 mg/kg (Source: JAPAN_GHS)	= 2 g/kg (Rabbit) Dermal LD50 Rabbit 2 g/kg (Source: NLM_CIP)	= 700 ppm (Rat) 1 h Inhalation LC50 Rat 700 ppm 1 h (Source: NLM_CIP)
Nonylphenol	= 580 mg/kg (Rat) Oral LD50 Rat 580 mg/kg (Source: JAPAN_GHS)	= 2031 mg/kg (Rabbit) Dermal LD50 Rabbit 2031 mg/kg (Source: JAPAN_GHS)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Components	IARC Carcinogens	NTP	OSHA - Select Carcinogens
Para-tertiary-butylphenol	Not listed	Not listed	Not listed
1,6-Hexanediamine, C,C,C-trimethyl-	Not listed	Not listed	Not listed
1,3-Benzenedimethanamine	Not listed	Not listed	Not listed
Nonylphenol	Not listed	Not listed	Not listed

Sensitization Product contains a component that is classified as a skin sensitizer. No studies have been conducted on the product itself.

Mutagenic effects: No information available.

Reproductive Toxicity Product contains a component that is classified as a reproductive hazard. No testing has been conducted on the product itself.

Developmental Toxicity	No information available.
Teratogenic	No information available.
Specific target organ systemic toxicity (single exposure)	Respiratory system.
Specific target organ systemic toxicity (repeated exposure)	No information available.
Aspiration hazard	No information available.

Additional information on toxicological effects

No information available

Do not add sodium nitrite or other nitrosating agents to this product. Cancer causing nitrosamines could be formed.

12. ECOLOGICAL INFORMATION

Components	Ecotoxicity - Fish Species Data:	Ecotoxicity - Freshwater Algae Data:	Ecotoxicity - Water Flea Data:
Para-tertiary-butylphenol	4.71 - 5.62 mg/L LC50 = 6.9 mg/L LC50	=3.9mg/L 3.4 - 4.5mg/L = 11.2 mg/L EC50	EC50 (Daphnia magna - 48h) = 3.4 - 4.5 mg/L EC50 (Daphnia magna - 48h) = 3.9 mg/L
1,6-Hexanediamine, C,C,C-trimethyl-	No data	= 29.5 mg/L EC50	EC50 (Daphnia magna - 24h) = 31.5 mg/L
1,3-Benzenedimethanamine	No data	No data	No data
Nonylphenol	= 0.135 mg/L LC50	=0.14mg/L 0.17 - 0.21mg/L 0.0874 - 0.124mg/L = 0.41 mg/L EC50 = 1.3 mg/L EC50	EC50 (Daphnia magna - 48h) = 0.0874 - 0.124 mg/L EC50 (Daphnia magna - 48h) = 0.17 - 0.21 mg/L EC50 (Daphnia magna - 48h) = 0.14 mg/L

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability No information available.

Bioaccumulation No information available.

Components	Octanol/water partition coefficient
Para-tertiary-butylphenol	2.44
1,6-Hexanediamine, C,C,C-trimethyl-	0.77
1,3-Benzenedimethanamine	-
Nonylphenol	3.28

Mobility: No data available

Ozone: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: Do not re-use empty containers

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) Sweep up and shovel into suitable containers for disposal

14. TRANSPORT INFORMATION

U. S. DEPARTMENT OF TRANSPORTATION:

UN/NA ID Number: UN2735
Proper shipping name: Amines, liquid, corrosive, n.o.s.(benzene-1,3-dimethaneamine (MXDA)/trimethylhexamethylenediamines)
Hazard class: 8
PG: II
DOT ERG: ERG 153

TDG (CANADA):

UN nr: UN2735
Proper shipping name: Amines, liquid, corrosive, n.o.s.(benzene-1,3-dimethaneamine (MXDA)/trimethylhexamethylenediamines)
TDG Hazard Classification: 8
Packing group: II

IMDG/IMO:

UN nr: UN2735
Proper shipping name: Amines, liquid, corrosive, n.o.s.(benzene-1,3-dimethaneamine (MXDA)/trimethylhexamethylenediamines)
Class: 8
Packing group: II
Limited quantity: 0.5 L

IATA/ICAO:

UN nr: UN2735
Proper shipping name: Amines, liquid, corrosive, n.o.s.(benzene-1,3-dimethaneamine (MXDA)/trimethylhexamethylenediamines)
Hazard Class: 8
Packing group: II
Maximum quantity for cargo only: 30 L
Maximum quantity for passenger: 1 L
Limited quantity: 0.5 L

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazard Communication Standard: This product is considered to be hazardous under the OSHA Hazard Communication Standard.

CERCLA/SARA Information:

SARA (311, 312) hazard class: This product possesses the following SARA Hazard Categories:

Immediate Health (Acute): Yes
Delayed Health (Chronic): Yes
Flammability: No
Pressure: No
Reactivity: No

Components	Hazardous Substances and RQs	Extremely Hazardous Substances and TPQs	SARA 313 Emission Reporting
Para-tertiary-butylphenol	Not listed	Not listed	Not listed
1,6-Hexanediamine, C,C,C-trimethyl-	Not listed	Not listed	Not listed
1,3-Benzenedimethanamine	Not listed	Not listed	Not listed
Nonylphenol	Not listed	Not listed	1.0 %

Clean Air and Clean Water Acts:

Components	Hazardous Air Pollutants	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
Para-tertiary-butylphenol	Not listed	Not listed	Not listed	Not listed
1,6-Hexanediamine, C,C,C-trimethyl-	Not listed	Not listed	Not listed	Not listed
1,3-Benzenedimethanamine	Not listed	Not listed	Not listed	Not listed
Nonylphenol	Not listed	Not listed	Not listed	Not listed

U.S. STATE REGULATIONS (RTK):

Components	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK
Para-tertiary-butylphenol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1,6-Hexanediamine, C,C,C-trimethyl-	Not Listed	Not Listed	Not Listed	1933	Not Listed
1,3-Benzenedimethanamine	Not Listed	Present	Not Listed	1320	Present
Nonylphenol	Not Listed	Present	Not Listed	Not Listed	Present

California Proposition 65 Status: No components are listed

RCRA Status: Corrosive D002

CANADIAN REGULATIONS:

Components	CEPA Schedule I	Challenge Substances
Para-tertiary-butylphenol	Not listed	Not listed
1,6-Hexanediamine, C,C,C-trimethyl-	Not listed	Not listed
1,3-Benzenedimethanamine	Not listed	Not listed
Nonylphenol	Listed	Not listed

INVENTORY STATUS:

United States TSCA Inventory: This product complies with TSCA

Canada DSL/NDSL Inventory List This product complies with DSL

16. OTHER INFORMATION

Sources of key data used to compile Material safety data sheets of the ingredients.
the data sheet:

Prepared by: Safety, Health and Environmental Department

Revision Date: 04/20/2016

Reason for revision: Name change.

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.

End of Safety Data Sheet