SAFETY DATA SHEET

Print date: 04/21/2016 **Revision Date:** 04/21/2016 **Revision Number:** 1.01

1. COMPANY AND PRODUCT IDENTIFICATION

Product identifier

Product Name: SynDeck® Grout Sealer Slow SB Hardener SB1256

Product code: SB1256

Other means of identification

Synonyms No information available

Application

Recommended Use Grout Sealer

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
Acute Toxicity - Dermal	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
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

Label Elements

Emergency Overview

DANGER

Hazard Statements
harmful if swallowed
Harmful in contact with skin
Causes severe skin burns and eye damage
May cause an allergic skin reaction
Suspected of damaging fertility or the unborn child
Very toxic to aquatic life with long lasting effects

Appearance Clear Amber **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
Avoid release to the environment

Precautionary Statements - Response
Specific treatment (see First Aid on this label)
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

Call a POISON CENTER or doctor/physician if you feel unwell Wash contaminated clothing before reuse IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower 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
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

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
None known

Other Information
None known.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No	Weight %
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	9046-10-0	30 - 40%
Nonylphenol	25154-52-3	20 - 30%
Aminoethylpiperazine	140-31-8	20 - 30%
Para-nonylphenol	84852-15-3	10 - 15%

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. If symptoms persist, call 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. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person

Inhalation: Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration If breathing is difficult, give oxygen 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:	Dermatitis and asthma.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use dry chemical, CO2, water spray or `alcohol` foam.
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. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapour/dust. 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:	Keep product and empty container away from heat and sources of ignition.
Incompatible products:	strong acids and oxidizing agents
Safe storage temperature:	50 - 100 °F
Shelf life:	2 years

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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: Goggles, Face-shield

Hand protection: Rubber gloves, Impervious gloves

Skin and body protection: Long sleeved clothing, Chemical resistant apron

Hygiene measures: Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear Amber
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	Seta 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)	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity (g/cc, 15 C)	0.98
Bulk Density (lb/gal, 15 C)	8.18
Water Solubility	Insoluble
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:	Can react explosively with:epoxy resins.
Conditions to avoid:	Heat, flames and sparks.
Materials to avoid:	Copper. Copper alloys. Epoxy resins under uncontrolled conditions. Exothermic reaction with strong acids. Strong acids and oxidising agents. Selected amines.
Hazardous decomposition products:	Carbon oxides. Nitrogen oxides (nox). Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous Polymerization:	Stable at normal conditions.

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. Harmful in contact with skin.

Ingestion Harmful if swallowed.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	= 242 mg/kg (Rat) Oral LD50 Rat 242 mg/kg (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)	-
Aminoethylpiperazine	= 2140 µL/kg (Rat) Oral LD50 Rat 2140 µL/kg (Source: NLM_CIP)	= 880 µL/kg (Rabbit) Dermal LD50 Rabbit 880 µL/kg (Source: NLM_CIP)	-
Para-nonylphenol	= 1300 mg/kg (Rat) Oral LD50 Rat 1300 mg/kg (Source: NLM_CIP)	= 2031 mg/kg (Rabbit) Dermal LD50 Rabbit 2031 mg/kg (Source: IUCLID)	-

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
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	Not listed	Not listed	Not listed
Nonylphenol	Not listed	Not listed	Not listed
Aminoethylpiperazine	Not listed	Not listed	Not listed
Para-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: Product contains a component that is classified as a mutagen. No testing has been conducted on the product itself.

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) No information available.

Specific target organ systemic toxicity (repeated exposure) No information available.

Aspiration hazard No information available.

Additional information on toxicological effects
No information available

12. ECOLOGICAL INFORMATION

Components	Ecotoxicity - Fish Species Data:	Ecotoxicity - Freshwater Algae Data:	Ecotoxicity - Water Flea Data:
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	LC50 (Leuciscus idus - 96h) = 220 - 460 mg/l	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
Aminoethylpiperazine	1950 - 2460 mg/L LC50 > 1000 mg/L LC50 >= 100 mg/L LC50	=32mg/L = 495 mg/L EC50	EC50 (Daphnia magna - 48h) = 32 mg/L
Para-nonylphenol	= 0.135 mg/L LC50 = 0.1351 mg/L LC50	=0.14mg/L 0.36 - 0.48 mg/L EC50 0.16 - 0.72 mg/L EC50 = 1.3 mg/L EC50	EC50 (Daphnia magna - 48h) = 0.14 mg/L

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

Persistence and Degradability No information available.

Bioaccumulation No information available.

Components	Octanol/water partition coefficient
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	-
Nonylphenol	3.28
Aminoethylpiperazine	-1.48
Para-nonylphenol	-

Mobility: No data available

Ozone: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Do not contaminate ponds, waterways or ditches with chemical or used container. 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:	Polyamines, liquid, corrosive, n.o.s. (N-aminoethylpiperazine)
Hazard class:	8
Subsidiary risk:	
PG:	III
DOT ERG:	ERG 153
DOT Label(s):	

TDG (CANADA):

UN nr:	UN2735
Proper shipping name:	Polyamines, liquid, corrosive, n.o.s. (N-aminoethylpiperazine)
TDG Hazard Classification:	8
Subsidary class:	
Packing group:	III

IMDG/IMO:

UN nr:	UN2735
Proper shipping name:	Polyamines, liquid, corrosive, n.o.s. (N-aminoethylpiperazine)
Class:	8
Subsidary class:	
Packing group:	III
EMS:	F-A, S-B
Limited quantity:	5 L

IATA/ICAO:

UN nr:	UN2735
Proper shipping name:	Polyamines, liquid, corrosive, n.o.s. (N-aminoethylpiperazine)
Hazard Class:	8
Subsidary class:	
Packing group:	III
Maximum quantity for cargo only:	60 L
Maximum quantity for passenger:	5 L
Limited quantity:	1 L

15. REGULATORY INFORMATION

Federal Regulations

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

Standard: 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
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	Not listed	Not listed	Not listed
Nonylphenol	Not listed	Not listed	1.0 %
Aminoethylpiperazine	Not listed	Not listed	Not listed
Para-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
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	Not listed	Not listed	Not listed	Not listed
Nonylphenol	Not listed	Not listed	Not listed	Not listed
Aminoethylpiperazine	Not listed	Not listed	Not listed	Not listed
Para-nonylphenol	Not listed	Not listed	Not listed	Not listed

U.S. STATE REGULATIONS (RTK):

Components	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Nonylphenol	Not Listed	Present	Not Listed	Not Listed	Present
Aminoethylpiperazine	Not Listed	Present	Not Listed	0075	Present
Para-nonylphenol	Not Listed	Not Listed	Not Listed	Not Listed	Present

California Proposition 65 Status: No components are listed

RCRA Status: Not regulated

CANADIAN REGULATIONS:

Components	CEPA Schedule I	Challenge Substances
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	Not listed	Not listed
Nonylphenol	Listed	Not listed
Aminoethylpiperazine	Not listed	Not listed
Para-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 the data sheet: Material safety data sheets of the ingredients.

Prepared by: Safety, Health and Environmental Department

Revision Date: 04/21/2016
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