SAFETY DATA SHEET

Print date: 04/22/2016 **Revision Date:** 04/20/2016 **Revision Number:** 1.01

1. COMPANY AND PRODUCT IDENTIFICATION

Product identifier

Product Name: SynDeck® Flex IMO Part A Resin SA1285 - Pewter Gray

Product code: SA1285-03-02

Other means of identification

Synonyms No information available

Application

Recommended Use Potting Compound

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)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Respiratory Sensitization	Category 1A
Skin Sensitization	Category 1A
Carcinogenicity	Category 2
Chronic aquatic toxicity	Category 2

Label Elements

Emergency Overview

DANGER

Hazard Statements
Causes skin irritation
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Suspected of causing cancer
Toxic to aquatic life with long lasting effects

Appearance Clear Gray **Physical State** Liquid **Odor** Mild

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
Avoid breathing dust/fume/gas/mist/vapors/spray
In case of inadequate ventilation wear respiratory protection
Contaminated work clothing should not be allowed out of the workplace
wear protective gloves
Avoid release to the environment

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
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 If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water Take off contaminated clothing and wash before reuse If skin irritation or

rash occurs: Get medical advice/attention
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
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
Toxic to aquatic life.

Unknown acute toxicity 1E-07% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No	Weight %
Diglycidyl Ether of Bisphenol A	25068-38-6	15 - 20%
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	5 - 10%
Titanium dioxide	13463-67-7	5 - 10%
Polypropylene glycol	25322-69-4	1 - 5%
Zinc Compounds	Proprietary	1 - 5%
Polyether modified polymethylalkylsiloxane	PROPRIETARY	1 - 5%
2,4-diisocyanto-1-methylbenzene	584-84-9	<1%
4-Morpholinecarboxaldehyde	4394-85-8	<1%
Reaction Products of Epichlorohydrin and Bisphenol A	25085-99-8	<1%
Carbon black	1333-86-4	<1%

The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage 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. 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 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.

Medical condition aggravated by exposure: None known.

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. Avoid contact with the skin and the eyes. Do not breathe vapour/dust. Use personal protective equipment. Wash thoroughly after handling. Avoid contact with skin, eyes and clothing.

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. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Wear personal protective equipment. 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: 60 - 100 °F

Shelf life: 18 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
Aluminium hydroxide	1 mg/m³ (TWA)	None	None
Inorganic Additive	10 mg/m³	15 mg/m³	None
Titanium dioxide	10 mg/m³ (TWA)	15 mg/m³	None
Soda Lime Borosilicate Glass	1 fiber/cm3 (TWA) 5 mg/m³ (TWA)	None	None
2,4-diisocyanto-1-methylbenzene	0.005 ppm (TWA) 0.02 ppm (STEL)	None	None
Carbon black	3 mg/m³ (TWA)	3.5 mg/m³	3.5 mg/m³ (TWA) 0.1 mg/m³ (TWA)

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

Skin and body protection: Long sleeved clothing

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Appearance Clear Gray

Odor Mild

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	93.33 °C / 200 °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):	1.272
Bulk Density @ 77° F. (lb/gal):	10.6
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	35,000 cP
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	Irritating to eyes.
Skin Contact	Irritating to skin. May cause sensitization by skin contact.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Diglycidyl Ether of Bisphenol A	= 11400 mg/kg (Rat) Oral LD50 Rat 11400 mg/kg (Source: NLM_CIP)	-	-
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	= 17100 mg/kg (Rat) Oral LD50 Rat 17100 mg/kg (Source: NLM_CIP)	-	-
Titanium dioxide	> 10000 mg/kg (Rat) Oral LD50 Rat >10000 mg/kg (Source: IUCLID)	-	-
Polypropylene glycol	= 3750 mg/kg (Rat) Oral LD50 Rat 3750 mg/kg (Source: NLM_CIP)	-	-
Zinc Compounds	-	-	-
Polyether modified polymethylalkylsiloxane	-	-	-
2,4-diisocyanto-1-methylbenzene	= 5800 mg/kg (Rat) Oral LD50 Rat 5800	-	= 14 ppm (Rat) 4 h Inhalation LC50 Rat 14

	mg/kg (Source: JAPAN_GHS)		ppm 4 h (Source: NLM_CIP)
4-Morpholinecarboxaldehyde	= 6500 µL/kg (Rat) Oral LD50 Rat 6500 µL/kg (Source: NLM_CIP)	-	-
Reaction Products of Epichlorohydrin and Bisphenol A	-	-	-
Carbon black	> 15400 mg/kg (Rat) Oral LD50 Rat >15400 mg/kg (Source: NLM_CIP)	-	-

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

Carcinogenicity This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form

Components	IARC Carcinogens	NTP	OSHA - Select Carcinogens
Diglycidyl Ether of Bisphenol A	Not listed	Not listed	Not listed
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Not listed	Not listed	Not listed
Titanium dioxide	Group 2B	Not listed	Present
Polypropylene glycol	Not listed	Not listed	Not listed
Zinc Compounds	Not listed	Not listed	Not listed
Polyether modified polymethylalkylsiloxane	Not listed	Not listed	Not listed
2,4-diisocyanto-1-methylbenzene	Group 2B	Not listed	Present
4-Morpholinecarboxaldehyde	Not listed	Not listed	Not listed
Reaction Products of Epichlorohydrin and Bisphenol A	Not listed	Not listed	Not listed
Carbon black	Group 2B	Not listed	Present

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 No information available.

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:
Diglycidyl Ether of Bisphenol A	No data	No data	No data
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	No data	No data	No data
Titanium dioxide	No data	No data	No data
Polypropylene glycol	No data	No data	No data
Zinc Compounds	No data	No data	No data
Polyether modified polymethylalkylsiloxane	No data	No data	No data
2,4-diisocyanto-1-methylbenzene	No data	No data	No data
4-Morpholinecarboxaldehyde	No data	No data	No data
Reaction Products of Epichlorohydrin and Bisphenol A	No data	No data	No data
Carbon black	No data	No data	EC50 (Daphnia magna - 24h) = 5600 mg/L

69.17185% 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
Diglycidyl Ether of Bisphenol A	-
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	-
Titanium dioxide	-
Polypropylene glycol	-
Zinc Compounds	-
Polyether modified polymethylalkylsiloxane	-
2,4-diisocyanto-1-methylbenzene	-
4-Morpholinecarboxaldehyde	-
Reaction Products of Epichlorohydrin and Bisphenol A	-
Carbon black	-

Mobility: No data available

Ozone: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused Waste disposal must be in accordance with appropriate Federal, State, and local

products:	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:	UN3082
Proper shipping name:	Environmentally Hazardous substance, liquid, n.o.s. (Diglycidyl Ether of Bisphenol A)
Hazard class:	9
PG:	III
DOT ERG:	ERG 171
Additional DOT Information:	When in individual containers of less than 119 gallons, this material ships as non-regulated.

TDG (CANADA):

UN nr:	UN3082
Proper shipping name:	Environmentally Hazardous substance, liquid, n.o.s. (Diglycidyl Ether of Bisphenol A)
TDG Hazard Classification:	9
Packing group:	III

IMDG/IMO:

UN nr:	UN3082
Proper shipping name:	Environmentally Hazardous substance, liquid, n.o.s. (Diglycidyl Ether of Bisphenol A)
Class:	9
Packing group:	III
Limited quantity:	1.0 L

IATA/ICAO:

UN nr:	UN3082
Proper shipping name:	Environmentally Hazardous substance, liquid, n.o.s. (Diglycidyl Ether of Bisphenol A)
Hazard Class:	9
Packing group:	III
Maximum quantity for cargo only:	450 L
Maximum quantity for passenger:	450 L
Limited quantity:	30 kg

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: Yes
Pressure: No
Reactivity: No

Components	Hazardous Substances and RQs	Extremely Hazardous Substances and TPQs	SARA 313 Emission Reporting
Diglycidyl Ether of Bisphenol A	Not listed	Not listed	Not listed
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Not listed	Not listed	Not listed
Titanium dioxide	Not listed	Not listed	Not listed
Polypropylene glycol	Not listed	Not listed	Not listed
Zinc Compounds	Not listed	Not listed	1%
Polyether modified polymethylalkylsiloxane	Not listed	Not listed	Not listed
2,4-diisocyanto-1-methylbenzene	100 lb	500 lb	0.1 % 1.0 %
4-Morpholinecarboxaldehyde	Not listed	Not listed	Not listed
Reaction Products of Epichlorohydrin and Bisphenol A	Not listed	Not listed	Not listed
Carbon black	Not listed	Not listed	Not listed

CERCLA/SARA 313 Emission reporting: 2.8 % Zinc compounds (EPA ID E649699)

Clean Air and Clean Water Acts:

Components	Hazardous Air Pollutants	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
Diglycidyl Ether of Bisphenol A	Not listed	Not listed	Not listed	Not listed
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Not listed	Not listed	Not listed	Not listed
Titanium dioxide	Not listed	Not listed	Not listed	Not listed
Polypropylene glycol	Not listed	Not listed	Not listed	Not listed
Zinc Compounds	Not listed	Not listed	Not listed	Not listed
Polyether modified polymethylalkylsiloxane	Not listed	Not listed	Not listed	Not listed
2,4-diisocyanto-1-methylbenzene	Present	Not listed	Not listed	Not listed
4-Morpholinecarboxaldehyde	Not listed	Not listed	Not listed	Not listed
Reaction Products of Epichlorohydrin and Bisphenol A	Not listed	Not listed	Not listed	Not listed
Carbon black	Not listed	Not listed	Not listed	Not listed

U.S. STATE REGULATIONS (RTK):

Components	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK
Diglycidyl Ether of Bisphenol A	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Oxirane, mono[(C12-14-alkyloxy) methyl] derivs.	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Titanium dioxide	carcinogen	Present	Not Listed	1861	Present
Polypropylene glycol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Zinc Compounds	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Polyether modified polymethylalkylsiloxane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
2,4-diisocyanto-1-methylbenzene	Not Listed	Environmental hazard Special hazardous substance	Not Listed	1869 3757	Carcinogen Extraordinarily hazardous
4-Morpholinecarboxaldehyde	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Reaction Products of Epichlorohydrin and Bisphenol A	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Carbon black	carcinogen	Present	Not Listed	0342	Present

California Proposition 65 Status: May contain trace amounts of listed chemicals: carbon black and ethyl acrylate.

RCRA Status: Not regulated

CANADIAN REGULATIONS:

Components	CEPA Schedule I	Challenge Substances
Diglycidyl Ether of Bisphenol A	Not listed	Not listed
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Not listed	Not listed
Titanium dioxide	Not listed	Not listed
Polypropylene glycol	Listed	Not listed
Zinc Compounds	Not listed	Not listed
Polyether modified polymethylalkylsiloxane	Not listed	Not listed
2,4-diisocyanto-1-methylbenzene	Not listed	Listed
4-Morpholinecarboxaldehyde	Not listed	Not listed
Reaction Products of Epichlorohydrin and Bisphenol A	Not listed	Not listed
Carbon black	Not listed	Listed

INVENTORY STATUS:

United States TSCA Inventory: This product complies with TSCA

Canada DSL/NDSL Inventory List Compliance has not been determined

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: 04/20/2016
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