

SECTION 1: PRODUCT INFORMATION

PRODUCT INFORMATION

Product Identifier: Hulk STPE
Application and Use (Other means of identification): Modified Silicone/Polyurethane (STPE resin blend)
Recommended on use and restriction on use: Single-component elastomeric coating for industrial use

MANUFACTURE (CANADIAN SUPPLIER IDENTIFIER)

Hulk Systems Inc.
4209 Brandon Street SE
Calgary, Alberta T2G 4A7
www.hulksystems.com

EMERGENCY TELEPHONE NUMBERS

Business: 403-764-6849 CHEMTREC 800-262-8200 (24 HOUR SERVICE)

SECTION 2: HAZARD IDENTIFICATION

A. GHS CLASSIFICATION

This material is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

B. GHS LABEL ELEMENTS

Hazard Symbols:

Appearance	Colored
Physical state	Liquid
Odor	Slight

Hazards not otherwise classified (HNOC):

Not applicable

C. OTHER INFORMATION

May be harmful if swallowed.

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

INGREDIENTS	CAS#	%(WEIGHT)
Silyl Terminated Polyether	Propreitary	60-100

SECTION 4: FIRST-AID MEASURES

EYE CONTACT

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician.

SKIN CONTACT

Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Consult a physician if necessary.

INHALATION CONTACT

Move to fresh air in case of accidental inhalation of vapors. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult. Call a physician.

INGESTION CONTACT

Do NOT induce vomiting. If swallowed, call a poison control center or physician immediately.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

Not available.

NOTES TO PHYSICIAN

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

SUITABLE (UNSUITABLE) EXTINGUISHING MEDIA

Small Fire

Large Fire

Dry chemical or CO₂.

Water spray or fog. Move containers from fire area if you can do it without risk.

Unsuitable extinguishing media CAUTION:

Use of water spray when fighting fire may be inefficient.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

In the event of fire and/or explosion do not breathe fumes.

HAZARDOUS COMBUSTION PRODUCTS

Carbon oxides. Nitrogen oxides (NO_x). Aldehydes. various polymer compounds. Contact with water will release small amounts of flammable methanol.

EXPLOSION DATA

Sensitivity to Mechanical Impact Not impact sensitive.
Sensitivity to Static Discharge Not sensitive.

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal precautions: Ensure adequate ventilation, especially in confined areas.
Environmental precautions: See section 12 for additional ecological information.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for containment: Dike far ahead of liquid spill for later disposal.
Methods for cleaning up: Prevent product from entering drains. Cover liquid spill with sand, earth or other non-combustible absorbent material.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Conditions: Store in accordance with local regulations. Store locked up. Keep containers tightly closed in a cool, well-ventilated place. Protect from sunlight.
Incompatible materials: Strong oxidizing agents. Strong acids. Strong bases. anhydrous chlorides. Iron. Calcium hypochlorite. Aluminum chloride. Nitrates.

HANDLING STORAGE AND SHIPPING

Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials. Do not handle or store near an open flame, sources of heat, or sources of ignition. Protect material from direct sunlight. This product will accumulate static charges which may cause an incendiary electrical discharge. Use proper grounding procedures. Empty product containers may contain product residue. DO NOT REUSE.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

OSHA PEL	Not available
ACGIH TLV	Not available

ENGINEERING CONTROLS

- Ensure adequate ventilation, especially in confined areas.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection

- If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations..

Eye protection

- Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.
- Provide an emergency eye wash station and quick drench shower in the immediate work area.

Hand protection

- Wear appropriate glove.

Skin protection

- Wear appropriate clothing.

Others

- Handle in accordance with good industrial hygiene and safety practice.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Relative Density:	1.2
Solubility in Water:	Insoluble
Boiling Point:	N/A
Freezing/Melting Point:	N/A
Viscosity:	N/A
Evaporation Rate:	N/A
Volatile: (voc):	Approximately zero %
Vapour Density:	N/A
Odour:	Pleasant citric odour
Appearance:	Coloured Liquid
Hazardous Air Pollutant:	None
Flashpoint and Method:	247° C (T.C.C.)
Auto ignition Temperature:	N/A
Flammable Limits:	N/A
pH:	Neutral 6.0-8.0
Partition Coefficient (n-octanol/water):	N/A
Odour Threshold:	N/A
Upper flammability or upper explosive limit:	N/A
Lower flammability or lower explosive limit:	N/A
Initial boiling point and boiling range:	N/A
Decomposition Temperature:	N/A

SECTION 10: STABILITY AND REACTIVITY

A. Chemical Stability and Reactivity

- This material reacts with water. Stable under conditions of normal temperature and pressure. Contact with water will release small amounts of flammable methanol.

B. Possibility of hazardous reactions

- Hazardous Polymerization will not occur.

C. Conditions to avoid

- Avoid contact with incompatible materials and condition.
- Avoid: Accumulation of electrostatic charges, Heating, Flames and hot surfaces, Temperatures above 150 °C /300 °F.

D. Incompatible materials

- Strong oxidizing agents. Strong acids. Strong bases. anhydrous chlorides. Iron. Calcium hypochlorite. Aluminum chloride. Nitrates.

E. Hazardous decomposition products

- Carbon oxides. Hydrocarbons. May emit toxic fumes under fire conditions.

SECTION II: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Ingestion: May be harmful if swallowed.

INGESTION – COMPONENTS	LD50	SPECIES
Silyl Terminated Polyether	3750 mg/kg	Rat
	> 2 g/kg	Rat

Inhalation: Inhalation of vapors in high concentration may cause irritation of respiratory system.

Sensitization: May cause sensitization of susceptible persons by skin contact. Did not cause allergic skin reactions when tested in mice.

SKIN CORROSION/IRRITATION: Prolonged contact may cause redness and irritation.

SERIOUS EYE DAMAGE/EYE IRRITATION: Prolonged contact may cause redness and irritation.

RESPIRATORY OR SKIN SENSITIZATION: N/A

GERM CELL MUTAGENICITY: N/A

CARCINOGENICITY: N/A

REPRODUCTIVE TOXICITY: N/A

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Release of large quantities of these products to a terrestrial or aquatic environment may cause harm to contaminated plants and animals.
Persistence and degradability	Not readily biodegradable.
Bioaccumulation	No information available.
Mobility in soil	No information available.
Other adverse effects	No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

SECTION 14: TRANSPORTATION INFORMATION

DOMESTIC/INTERNATIONAL REGULATION

DOT

Not Regulated

TDG

Not Regulated

IMDG

Not Regulated

IATA

Not Regulated

SECTION 15: REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA	Listed on U.S. TSCA
DSL/NDSL	Listed on the DSL
ENCS	Listed on ENCS

LEGEND

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances
IECSC	China Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
PICCS	Philippines Inventory of Chemicals and Chemical Substances
AICS	Australian Inventory of Chemical Substances

US FEDERAL REGULATIONS

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312

Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65

This material contains chemicals including n-Hexane, which are known to the State of California to cause reproductive harm.

SECTION 16: OTHER INFORMATION

NFPA Health hazards	1
Flammability	1
Instability	0
Physical and Chemical Properties	-
HMIS Health hazards	1
Flammability	1
Physical hazards	0
Personal protection	x

This SDS is prepared according to the Globally Harmonized System (GHS).
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