

SAFETY DATA SHEET

Onan Technologies

MSDS Date: 4/29/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Glidecoat Inflatable

OTHER MEANS OF IDENTIFICATION

SYNONYMS: None

PRODUCT CODES: NPD-9-88-35

CHEMICAL NAME: N/A

CHEMICAL FAMILY: Silane Blend

CHEMICAL FORMULA: N/A

RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

PRODUCT USES: Coating for Marine Applications

MANUFACTURER:

ONAN TECHNOLOGIES INC. DBA GLIDECOAT

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SECTION 2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION

FLAMMABLE LIQUIDS: Category 4

ACUTE TOXICITY: Category 4 – oral

SKIN CORROSION/IRRITATION: Category 1B

SERIOUS EYE DAMAGE/EYE IRRITATION: Category 1

SKIN SENSITIZATION: Category 1B

LABEL ELEMENTS

Hazard Pictograms



Signal Word: **DANGER**

Hazards

H227 Combustible liquid.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/protective clothing/eye protection

Response

P370+P378 In case of fire: Use water mist, carbon dioxide or alcohol-resistant foam to extinguish.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor

Storage

P403+P235: Store in a well-ventilated place. Keep cool. To extend shelf life, inert with dry gas (i.e. nitrogen) and store in freezer.
P405: Store in a dedicated freezer.

Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

OTHER HAZARDS

Inhalation of aerosol spray may damage health.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Mixture

Mixed Silanes	CAS #919-30-2	30 – 70 % by Weight.
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SECTION 4: FIRST-AID MEASURES

EYE CONTACT: Flush immediately with copious amount of water for at least 15 minutes while holding eyelids apart.
SKIN CONTACT: Flush immediately with soap and water for at least 15 minutes. Remove contaminated clothing and shoes.
INHALATION: Move to fresh air. If breathing is difficult, give oxygen. Get medical attention.
INGESTION: If conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids.

Most Important Symptoms/Effects, Acute and Delayed:

N/A

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary.

None known.

SECTION 5: FIRE-FIGHTING MEASURES

OSHA Combustible liquid and vapor.

Suitable Extinguishing Media: Water-mist, dry sand, carbon dioxide, dry chemical or alcohol-resistant foam.

Unsuitable Extinguishing Media: Water-spray, sharp water jet.

Specific Hazards Arising From Chemical:

Hazardous combustion products: nitrous gases.

Special Protective Equipment and Precautions for Fire-Fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special Firefighting Procedures: N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Secure the area. Wear personal protection equipment. Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. If material is released indicate risk of slipping. Do not walk through spilled material.

Environmental Precautions: Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

Methods and Materials for Containment and Cleaning Up:

Do not flush away with water. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Exhaust vapours. Eliminate all sources of ignition.

Notification Procedure: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Do not eat, drink or smoke when using this product. Put on appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid prolonged or repeated exposure. Handle in a fume hood or only with adequate ventilation.

Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

Conditions for Safe Storage, Including any Incompatibilities: Store in accordance with local regulations. Store in tightly closed container in a dry, cool, ambient temperatures and well-ventilated area. Avoid contact with acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Occupational and Biological Exposure Limits are Listed Below, if they exist.

ENGINEERING CONTROLS: Good general ventilation (typically 6 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

INDIVIDUAL PROTECTION MEASURES/EQUIPMENT

EYES: Safety glasses with side shields or chemical safety goggles. Additional eye and face protection, splash-proof goggles, hood, full-faced respirator, or face shield is recommended if splashing could occur.

SKIN: Rubber gloves. Additional skin protection, such as SARANEX coated Tyvek apron, over-sleeves, lab coat, coveralls, or protective suit should be worn if splashing could occur. Provide eye bath and safety shower

HANDS: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Wash thoroughly after handling.

RESPIRATORY PROTECTION: Where respiratory protection is required, use the appropriate respirators and components tested and approved under appropriate government standards such as NIOSH (US) and CEN (EU).

INGESTION: Do not eat, drink or smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Physical State: Liquid

Color: Clear to hazy

ODOR: Amine

Odor Threshold: N/A

PH: N/A

MELTING POINT: N/A

BOILING POINT/range: >200C

FLASH POINT: 93C

SPECIFIC GRAVITY: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: (AIR = 1) N/A
LIQUID DENSITY: N/A
%VOLATILES: N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No Data
CHEMICAL STABILITY: Stable under cool, dry, conditions
POSSIBILITY OF HAZARDOUS REACTIONS: Heat if exposed to acids
CONDITIONS TO AVOID: Exposure to strong bases and sources of ignition
INCOMPATIBLE MATERIALS: Acids
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Ethanol: Under the effect of humidity, water and protic agents.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological data on this product or its components appear in this section when such data is available.

LIKELY ROUTES OF EXPOSURE

Inhalation: No data
Ingestion: No data
Skin Contact: Skin corrosion, sensitization may occur
Eye Contact: Irreversible eye damage may occur

SYMPTOMS RELATED TO PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS**DELAYED IMMEDIATE AND CHRONIC EFFECTS OF SHORT AND LONG TERM EXPOSURE**

No data

TOXICITY

To the best of our knowledge the toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Ecological data on this product or its components appear in this section when such data is available.

ECOTOXICITY: No expected damaging effects to aquatic organisms.

PERSISTENCE AND DEGRADABILITY: No data

BIOACCUMULATION POTENTIAL: No data

MOBILITY IN SOIL: No data

OTHER ADVERSE EFFECTS:

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of waste containers to an authorized landfill, in accordance with local laws and regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. Comply with all federal, state and local regulations. Do not dump this product into sewers, on the ground or into any body of water.

SECTION 14: TRANSPORT INFORMATION

HAZARDOUS MATERIALS: Yes**DOT/IATA****UN Number:** UN 1760**UN Proper Shipping Name:** Corrosive Liquids NOS (Aminopropyltriethoxysilane)**Class:** 8**Packing Group:** II**Environmental Hazards:****Transport in bulk:** Consult IMO regulations before transporting ocean bulk**SPECIAL PRECAUTIONS:** None

This information is not intended to convey all specific regulatory or operational requirements or information relating to this product. Transportation classifications may vary by container volume and regional variations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

HCS: Corrosive material.**OSHA STATUS:** This product is hazardous under 29 CFR 1910.1200.**CERCLA REPORTABLE QUANTITY:** No data**SARA TITLE III**

*This product is not currently regulated by SARA/CERCLA

SECTION 302(40 CFR 355): N/A**SECTION 311/312(40 CFR 370):** N/A**SECTION 313(40 CFR 372):** N/A**Ensure this material in compliance with federal requirements and ensure conformity to local regulations.****US TSCA Inventory:****All components of this product are listed on the Domestic Substances List.****CALIFORNIA PROPOSITION 65**

No data

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:**Right to Know:**

The specific chemical identity of a component may be withheld as a trade secret under 34 Pennsylvania Code, Chapter 317.

Prepares by: ALD

DISCLAIMER:

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Revision Date: 5/5/2016