

SAFETY DATA SHEET

Onan Technologies

MSDS Date: 4/15/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Glidecoat Marine Ceramic Coating

OTHER MEANS OF IDENTIFICATION

SYNONYMS: None

PRODUCT CODES: NPD-9-88-34

CHEMICAL NAME: N/A

CHEMICAL FAMILY: Silsesquioxane Blend

CHEMICAL FORMULA: N/A

RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

PRODUCT USES: Coating for Marine Applicaitons

MANUFACTURER:

ONAN TECHNOLOGIES INC. DBA GLIDECOAT

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WEST PALM BEACH, FL 33409

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SECTION 2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION

FLAMMABLE LIQUIDS: Category 3

REPRODUCTIVE TOXICITY: Category 1B

ACUTE AQUATIC TOXICITY: Category 3

LABEL ELEMENTS

Hazard Pictograms



Signal Word: **DANGER**

Hazards

H226: Flammable liquid and vapor.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

H360: May damage fertility or the unborn child.

H402: Harmful to aquatic life.

PRECAUTIONARY STATEMENTS

Prevention

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P273: Avoid release into the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P370 + 378: In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.

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

No data

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Mixture

| | | |
|-----------------------|---------------|---------------------|
| Methyl Propyl Acetate | CAS #108-65-6 | 5 - 15% by Weight. |
| Proprietary Resin | | 85 - 95% by Weight. |

SECTION 4: FIRST-AID MEASURES

EYE CONTACT: Flush with copious amount of water for at least 15 minutes.
SKIN CONTACT: Wash off with soap and water.
INHALATION: Move to fresh air. If breathing is difficult, give oxygen. Get medical attention.
INGESTION: Wash mouth with water if person is conscious. Seek medical advice.
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

FLAMMABLE LIQUID AND VAPOR. USE WITH CAUTION. Material may float and may ignite on surface of water.

Suitable Extinguishing Media: Water spray, dry chemical, carbon dioxide, foam.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising From Chemical:

Flammable liquid and vapors. Combustion products: Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon, silicon and nitrogen.

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: Wear appropriate personal protective equipment.

Environmental Precautions: Avoid release into the environment, sewers and drains.

Methods and Materials for Containment and Cleaning Up:

Eliminate sources of ignition. Use suitable absorbent, sweep up, place in bag and hold for disposal. Ventilate area and wash spill site after material pick up is complete.

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.

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.

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 10 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: Wear safety glasses with side shields (or goggles).

SKIN: Wear chemical-resistant gloves, footwear and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

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. Wash exposed areas thoroughly with soap and water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Physical State: Liquid

Color: Hazy

ODOR: N/A

Odor Threshold: N/A

PH: N/A

MELTING POINT: 107F

BOILING POINT/range: N/A

FLASH POINT: N/A

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: N/A
CONDITIONS TO AVOID: Exposure to strong bases and sources of ignition
INCOMPATIBLE MATERIALS: N/A
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, silicone oxides.

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: No data
Eye Contact: No data

SYMPTOMS RELATED TO PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

No data

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 data
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 1993

UN Proper Shipping Name: Flammable Liquid NOS (1-Methyl-2-propyl acetate in Silsesquioxane Resin)

Class: 3

Packing Group: III

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: Flammable 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/EPCRA

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.

Proprietary Resin – Trade Secret

NFPA CODES: Flammability 3

Health 1

Instability 1

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: 11/24/2015