



## SAFETY DATA SHEET

SDS REVISION DATE: October 15, 2015

GMS Industrial Supply, Inc.  
212 Denn Lane, Virginia Beach, VA 23462  
(855) GRN-OGER • www.GreenOger.com

Product ID: GMS2002ACN

24-Hour Emergency Telephone: 1-800-424-9300 CHEMTREC

### SECTION 1 - PRODUCT AND MANUFACTURER IDENTIFICATION

Product Name: **H2O Epoxy Deck Coating Part A - GMS2002ACN**

GMS Industrial Supply Inc.  
212 Denn Lane  
Virginia Beach VA 23462  
Information Phone: 757-473-1467

Product Use: Paint  
Not recommended for: Contact Manufacturer  
Emergency Phone: Chemtrec 800.424.9300

### SECTION 2 - HAZARD DATA

#### GHS Ratings:

Skin corrosive 3 Reversible adverse effects in dermal tissue, Draize score:  $\geq 1.5 < 2.3$

#### GHS Hazards:

H316 Causes mild skin irritation

#### GHS Precautions:

P332+P313 If skin irritation occurs: Get medical advice/attention

Signal Word: Warning



### SECTION 3 - COMPOSITION / HAZARDOUS INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
2-butoxy ethanol	111-76-2	5.20%
titanium dioxide	13463-67-7	30.00% - 40.00%
2-propoxy-ethanol	2807-30-9	1.00% - 5.00%
isopropanol	67-63-0	1.00% - 5.00%

#### SECTION 4 - FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Administer oxygen if breathing is difficult. Restore breathing if necessary and call a physician immediately. Treat symptomatically.

**Eyes:** Remove contact lenses if worn. Flush immediately with large amounts of water for at least 15 minutes. If symptoms persist, consult with a doctor for medical treatment.

**Skin:** Wash affected areas with soap and water. Remove and launder contaminated clothing. Consult a doctor if skin irritation continues.

**Ingestion:** Do not induce vomiting. Rinse out mouth and drink plenty of water to dilute. Never give anything by mouth to an unconscious person. Get medical help immediately.

**Most important symptoms and effects, both acute and delayed**

Symptoms: No information available.

**Indication of any immediate medical attention and special treatment needed**

Note to physicians: Treat symptomatically

#### SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: > 104° C (>219° F)

LEL: 1.00

UEL: 16.00

**Extinguishing media**

**Suitable extinguishing agents:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CO<sub>2</sub>, extinguishing powder or water spray may be effective.

**For safety reasons unsuitable extinguishing agents:** CAUTION! Use of water spray may be inefficient.

**Unusual Fire and Explosion Hazards**

Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers.

**Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

**Advice for firefighters**

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Keep containers tightly closed. Isolate from heat, sparks, and open flame.

**Protective equipment:**

Full protective equipment including self-contained breathing apparatus should be used.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up:**

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders). Dispose contaminated material as waste according to item 13. Do not flush with water or aqueous cleansing agents. Send for recovery or disposal in suitable receptacles.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7 - HANDLING AND STORAGE

### Handling Precautions:

#### Precautions for safe handling

Prevent formation of fine mist and vapor buildup during and after use. Avoid splashes or spray in enclosed areas. Use only in well ventilated areas. Do not get in eyes. Avoid skin contact. Can cause allergic respiratory reaction. Can cause allergic skin reaction. Prevent prolonged or repeated breathing of vapors or spray mist. Avoid breathing of sanding dust. Wash contaminated clothing thoroughly. Wash skin thoroughly with soap and water after handling. Close container after each use. Do not transfer this product to unlabeled containers. Do not handle until the manufacturer's safety precautions have been read and understood. Keep out of reach of children.

#### Information about protection against explosions and fires:

Keep ignition sources away. Do not smoke. Protect against electrostatic discharges.

### Storage Requirements:

Do not store above 120° F. Store large quantities only in buildings designed to comply with OSHA 1910.106. Keep closures tight and container upright to prevent leakage. Do not store or use near heat, sparks or flame. Never use pressure to empty. Drum must not be washed out or used for other purposes. Drums of this material should be grounded when pouring.

### Regulatory Requirements:

Consult NFPA Code. Use approved bonding and grounding procedures.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
2-butoxy ethanol 111-76-2	PEL: 50 ppm	20 ppm TWA 5 ppm Recommended exposure limit	Not Established
titanium dioxide 13463-67-7	PEL 15 mg/cu.m. 8 hours Form: Total dust	TLV 10 mg/cu.m. 8 hours	Not Established
2-propoxy-ethanol 2807-30-9	Not Established	Not Established	Not Established
isopropanol 67-63-0	TWA 400 ppm	TWA 200 ppm STEL 400 ppm	Not Established

### Engineering Controls:

Appropriate engineering controls include ventilations systems, eyewash stations and emergency showers.

### Ventilation:

All application areas should be ventilated in accordance to OSHA regulation 29 CFR 1910 .94, 1910.107, 1910.108. Remove decomposition products formed during welding or flame cutting on surface coated with this product. If baking, vent fumes.

### Work / Hygienic Practices:

Wash skin thoroughly before breaks and meals and at the end of work period .

### Respiratory Protection:

Use a NIOSH-approved respirator to prevent overexposure, when exposure exceeds occupational exposure limits (Section 8). Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors in compliance with 29 CFR 1910.134, with provision for mist removal if conditions so indicate. If isocyanate compounds are present in spray applications or other situations which may produce inhalation exposures, use a respirator that is recommended or approved for use in isocyanate-containing environments.

### Eye Protection:

Safety eyewear including splashguards or side shields recommended.

### Protective Gloves:

Recommended. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material should be based on consideration of the penetration times, rates of diffusion and the degradation.

### Other Protective Clothing or Equipment:

Use protective outerwear and prevent prolonged skin contact with contaminated clothing.

### Contaminated Equipment:

Thoroughly clean all contaminated clothing and personal protection equipment.

## SECTION 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

### Information on basic physical and chemical properties

<b>Appearance:</b> Liquid <b>Vapor Pressure:</b> 7.3 mmHg @ 20°C <b>Vapor Density:</b> 3.8 <b>Specific Gravity:</b> 1.37 <b>Freezing point:</b> No information available <b>Boiling range:</b> 83°C <b>Evaporation rate:</b> slower than ether <b>Partition coefficient (n-octanol/water):</b> No data available <b>Decomposition temperature:</b> No information available <b>VOC - water/exempt (g/L)</b> 338 <b>VOC emitted (g/L)</b> 178	<b>Odor:</b> mild alcohol-like odor <b>Odor threshold:</b> No information available <b>pH:</b> No information available <b>Melting point:</b> No information available <b>Solubility:</b> No information available <b>Flash point:</b> 219° F, 104° C <b>Flammability:</b> No information available <b>Autoignition temperature:</b> N/A <b>Viscosity:</b> No information available <b>VOC - water/exempt (lb/gal)</b> 2.81 <b>VOC emitted (lb/gal)</b> 1.49
--	--

## SECTION 10 - STABILITY AND REACTIVITY

**Reactivity** - No data available

**Chemical stability** - Stable under recommended storage conditions.

STABLE

**Possibility of Hazardous Reactions** - None under normal conditions of use.

**Conditions to Avoid** - Heat, sparks, open flame, static electricity, sources of ignition, elevated temperatures.

**Incompatible Materials** - Strong acids and alkali, strong oxidizing agents.

**Incompatibility of Individual Components:**

No information available

**Hazardous decomposition products** - Carbon monoxide and carbon dioxide

**Information for Individual Components:**

No information available

Hazardous polymerization will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Mixture Toxicity

Inhalation Toxicity LC50: 20mg/L

### Component Toxicity

111-76-2 2-butoxy ethanol  
Oral LD50: 745 mg/kg (Rat) Dermal LD50: 1,250 mg/kg (Rat) Inhalation LC50: 550 ppm (Rat)

2807-30-9 2-propoxy-ethanol  
Oral LD50: 3,089 mg/kg (rat) Dermal LD50: 1,337 mg/kg (rabbit) Inhalation LC50: 1,530 ppm (mo

### CHRONIC HEALTH HAZARDS:

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

### Routes of Entry:

Inhalation      Skin Contact      Eye Contact      Ingestion

### Target Organs:

Kidneys      Lungs

### Effects of Overexposure

**Eye contact:** Eye contact can cause mild irritation, redness, tearing, blurred vision. May be a sensitizer in individuals with unusual allergic sensitivity.

**Skin contact:** Skin contact can cause mild irritation, defatting, dermatitis. May be a sensitizer in individuals with unusual allergic sensitivity.

<b>Inhalation:</b>	Excessive inhalation can cause irritation of the respiratory tract. Headache, slight dizziness and nausea possible in individuals with unusual allergic sensitivity.
<b>Ingestion:</b>	Ingestion can cause gastrointestinal irritation and nausea.
<b>Sensitization:</b>	No data available.
<b>Mutagenicity:</b>	No data available.
<b>Reproductive Toxicity:</b>	No data available.
<b>Teratogenicity:</b>	No data available.
<b>Specific Target Organ Toxicity - Single Exposure:</b>	No data available.
<b>Specific Target Organ Toxicity - Repeated Exposure:</b>	No data available.

**Carcinogenicity:**

**For Mixture** - No information available

**For Components** - The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing) .

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No information available

## SECTION 12 - ECOLOGICAL INFORMATION

**Persistence and degradability** - No information available.

**Bioaccumulative potential** - No information available.

**Mobility in soil** - No information available.

**Ecotoxicological effects** - No information available.

**Other adverse effects** - No information available.

**Additional ecological information:**

**General notes:**

Do not allow product to reach ground water, water course or sewage system . Danger to drinking water if even small quantities leak into the ground.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Component Ecotoxicity**

2-butoxy ethanol	96 Hr. LC50 (Oncorhynchus mykiss (rainbow trout)) 1,474 mg/l (static); 48 Hr. EC50 (Daphnia magna (Water flea)) 1,800 mg/l (static); 72 Hr EC50 (Pseudokirchneriella subcapitata (green algae)) 911 mg/l (static);
2-propoxy-ethanol	LC50 pimephales promelas (fathead minnow): >5000 mg/l @ 96h; LC50 Daphnia magna (water flea): >5000 mg/l @ 48h; EC50 pseudokirchneriella subcapitata (algae): >100 mg/l @ 72h; IC50 bacteria: >1000 mg/l @ 16h
isopropanol	LC50, 96 hr: (Pimephales promelas (fathead minnow)) >1,000 mg/l LC50, 48 hr: (Daphnia magna (Water flea)) >100 mg/l

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste disposal methods:**

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Residual materials should be treated as hazardous unless proven to be otherwise.

**Notice to user:**

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous

and nonhazardous wastes.

**Empty Container Warning:**

Emptied containers may contain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition. Do not reuse container.

<b>SECTION 14 - TRANSPORT INFORMATION</b>
---

Shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transportation does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment and compliance with applicable regulations is the sole responsibility of the person offering the product for transport.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint, non-hazardous	Not regulated		

<b>SECTION 15 - REGULATORY INFORMATION</b>
--

**California Proposition 65**

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

13463-67-7 titanium dioxide

**CERCLA**

This material, as supplied, contains the following chemicals regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) - 40 CFR 302

111-76-2 2-butoxy ethanol

**Hazardous Air Pollutants (HAPs) Content**

Hazardous Air Pollutants subject to the provisions of the Clean Air Act, Title I Section 112 'National Emission Standards for Hazardous Air Pollutants'

2807-30-9 2-propoxy-ethanol 1 to 5 %

**Massachusetts RTK:**

isopropanol 67-63-0

2-butoxy ethanol 111-76-2

**New Jersey RTK:**

isopropanol 67-63-0

2-propoxy-ethanol 2807-30-9

2-butoxy ethanol 111-76-2

**Pennsylvania RTK:**

isopropanol 67-63-0

2-propoxy-ethanol 2807-30-9

2-butoxy ethanol 111-76-2

titanium dioxide 13463-67-7

**Rhode Island Hazardous Substance List:**

- None

**SARA 313**

This product contains a chemical or chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA 313).

111-76-2 2-butoxy ethanol 5.2 %

**TSCA**

All chemicals in this product are listed, or are exempt from listing, on the TSCA inventory unless they are listed here:

## SECTION 16 - OTHER INFORMATION

### Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="1"/>	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	<input type="text" value="0"/>	
PHYSICAL HAZARD	<input type="text" value="0"/>	
PERSONAL PROTECTION	<input type="text"/>	

### Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.

**Revision Date: October 15, 2015**