

# Material Safety Data Sheet

## Section 1 - Product and Company Identification

**Material Name** \* **DYC9040 TUFF GRIP**

**Product Code** \* DYC9040

**Product Description** \* Tan Liquid.

**Product Use** \* Concrete Bonding Primer and Sealer

**Synonyms** \* Protective Concrete Coating

**Manufacturer** \* Dyco Paints, Inc.  
5850 Ulmerton Rd.  
Clearwater, FL 33760  
United States  
www.suncoatings.com  
Please use "Contact Us" form on the website

**Telephone**

**Technical** \* 813-248-2101

**Emergency** \* 800-424-9300

**Emergency** \* 703-527-3887

**Preparation Date** \* 4/12/2015

**Last Revision Date** \* 4/12/2015

## Section 2 - Hazards Identification

### Emergency Overview

**WARNING**

Causes mild skin irritation. Harmful if swallowed.

**Prevention** Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash thoroughly after handling.

**Response** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention.

**Storage/Disposal** Store in a closed container. Do not allow product to freeze. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.



CAUTION - May cause eye and skin irritation on contact.

**Physical Form** \* Liquid

Color	* Tan Liquid.
Odor	* Acrylic Paint-Like Odor.
Flash Point	* > 180 F(> 82.2 C)
OSHA	* Irritant, Carcinogen
WHMIS	* Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B



GHS	* Skin Corrosion/Irritation - Category 3, Serious Eye Damage, Eye Irritation - Category 2A, Carcinogenicity - Category 1A
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**NFPA:**



**Potential Health Effects**

**Inhalation**

- Acute (Immediate)** \* Inhalation of vapors or mists may cause central nervous system depression, light-headedness, headache, nausea and loss of coordination.
- Chronic (Delayed)** \* Under normal conditions of use, no health effects are expected.

**Skin**

- Acute (Immediate)** \* May cause irritation.
- Chronic (Delayed)** \* Repeated and prolonged exposure to the skin may cause dermatitis.

**Eye**

- Acute (Immediate)** \* Likely to cause eye irritation, burning, tearing, etc. on contact with the eyes. If swelling and irritation persist, seek medical attention.
- Chronic (Delayed)** \* Direct contact may cause slight to moderate irritation.

**Ingestion**

- Acute (Immediate)** \* May cause irritation. May affect the nervous system. May be harmful or fatal if swallowed.
- Chronic (Delayed)** \* Repeated and prolonged exposure may cause gastrointestinal disturbances including diarrhea, nausea, and vomiting.

Carcinogenic Effects			
	CAS	IARC	NTP

**Section 3 - Composition/Information on Ingredients**

Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Epoxy Copolymer	CAS # - 62256-00-2	32%			
Nephylene Syenite	CAS # - 37244-96-5	1%			
Mica	CAS # - 12001-26-2	5%			

Glycol Ether	<b>CAS #</b> - 111-76-2	5%	Ingestion/Oral-Rat LD50 · 470 mg/kg LC50 – 450 ppm		
Ammonia	<b>CAS #</b> - 7664-41-7	1%	Inhalation-Rat LC50 · 9500 mg/kg		

#### Non-Hazardous Components

Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Water	7732-18-5	56%			

**This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.**

### Section 4 - First Aid Measures

<b>Inhalation</b>	* IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If signs/symptoms continue, get medical attention.
<b>Skin</b>	* Rinse skin immediately with plenty of water for 15-20 minutes. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
<b>Eye</b>	* If eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion</b>	* If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### Section 5 - Fire Fighting Measures

<b>Extinguishing Media</b>	* LARGE FIRE: Water spray, fog or regular foam. SMALL FIRES: Dry chemical, CO2, water spray or regular foam.
<b>Unsuitable Extinguishing Media</b>	* No data available.
<b>Firefighting Procedures</b>	* Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep unauthorized personnel away.
<b>Unusual Fire and Explosion Hazards</b>	* Product containers may rupture when exposed to extreme heat. Precautions should be taken to prevent release of materials.
<b>Hazardous Combustion Products</b>	* Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes.
<b>Protection of Firefighters</b>	* Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
<b>Flash Point</b>	* > 180 F(>82.2 C) CC (Closed Cup)

### Section 6 - Accidental Release Measures

<b>Personal Precautions</b>	* Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Emergency Procedures</b>	* Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up.
<b>Environmental Precautions</b>	* Avoid run off to waterways and sewers.
<b>Containment/Clean-up Measures</b>	* Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use appropriate Personal Protective Equipment (PPE)

**Prohibited Materials**

\* Avoid contact with strong oxidizing agents and acids.

**Section 7 - Handling and Storage****Handling**

\* KEEP OUT OF THE REACH OF CHILDREN! Keep containers tightly closed when not in use.

**Storage**

\* Avoid extreme temperatures and freezing. Keep container/package tightly closed and in a well-ventilated place.

**Special Packaging Materials**

\* Not Applicable.

**Incompatible Materials or Ignition Sources**

\* Avoid contact with strong oxidizing agents and acids.

**Section 8 - Exposure Controls/Personal Protection****Personal Protective Equipment****Pictograms****Respiratory**

\* When used with adequate ventilation, a respirator is not normally required. If required, use a NIOSH-approved air purifying respirator with organic vapor cartridge or supplied air respirator. This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

**Eye/Face**

\* Wear ANSI approved safety glasses with side shields or safety goggles.

**Hands**

\* Wear chemical resistant gloves with repeated or prolonged exposure.

**Engineering Measures/Controls**

\* Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Use precaution to protect building intake from fumes and vapors created outdoors.

**Exposure Limits/Guidelines**

	Result	Canada Ontario	Mexico	NIOSH	OSHA
Epoxy Copolymer (62256-00-2)	TWAs	Not Established	Not Established	Not Established	Not Established
Nephylene Syenite (37244-96-5)	TWAs	0.10 mg/m3 TWAEV (designated substance regulation)	Not Established	Not Established	15 mg/m3 (total dust)
Mica (12001-26-2)	TWAs	10 mg/m3 TWAEV (total dust)	10 mg/m3 TWA (as Ti)	Not established	15 mg/m3 TWA (total dust)
Ammonia (7664-41-7)	TWAs	35 ppm	35 ppm	25 ppm	35 ppm
Glycol Ether (111-76-2)	TWAs	25 ppm	25 ppm	20 ppm	25 ppm

**Section 9 - Physical and Chemical Properties**

Material Description			
Physical Form	Liquid	Appearance/Description	Tan liquid with the consistency of paint.
Color	Tan Liquid.	Odor	Paint-Like Odor.
Taste	No data available.	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	No data available		
General Properties			
Boiling Point	275 to 324 F	Melting Point	No data available

Decomposition Temperature	No data available	Heat of Decomposition	Not relevant
pH	8 @ 25 C(77 F)	Specific Gravity/Relative Density	1.04 Water=1
Density	8.67 lbs/gal @ 25 C(77 F)	Bulk Density	No data available
Water Solubility	Soluble 100 % @ 25 C(77 F)	Solvent Solubility	Not relevant
Viscosity	80 - 90 Krebs-Stormer (KU) @ 25 C(77 F)		
Volatility			
Vapor Pressure	0.1 mmHg (torr) @ 20 C(68 F)	Vapor Density	> 1 Air=1
Evaporation Rate	< 1 Ether = 1	VOC (Wt.)	No data available
VOC (Vol.)	337 g/L	Volatiles (Wt.)	No data available
Volatiles (Vol.)	75.0%		
Flammability			
Flash Point	> 180 F(> 82.2 C)	Flash Point Test Type	CC (Closed Cup)
UEL	No data available	LEL	No data available
Autoignition	No data available	Self-Accelerating Decomposition Temperature (SADT)	Not relevant
Heat of Combustion ( $\Delta H_c$ )	Not relevant	Burning Time	Not relevant
Flame Duration	Not relevant	Flame Height	Not relevant
Flame Extension	Not relevant	Ignition Distance	Not relevant
Environmental			
Half-Life	Not relevant	Octanol/Water Partition coefficient	Not relevant
Coefficient of Water	Not relevant	Bioaccumulation Factor	Not relevant
Bioconcentration Factor	Not relevant	Biochemical Oxygen Demand BOD/BOD5	Not relevant
Chemical Oxygen Demand	Not relevant	Persistence	Not relevant
Degradation	Not relevant		

## Section 10 - Stability and Reactivity

<b>Stability</b>	* Stable under normal temperatures and pressures.
<b>Hazardous Polymerization</b>	* Hazardous polymerization not indicated.
<b>Conditions to Avoid</b>	* Excessive heat and freezing.
<b>Incompatible Materials</b>	* Strong oxidizers and acids.
<b>Hazardous Decomposition Products</b>	* No known issues under normal usage conditions.

## Section 11 - Toxicological Information

Component Name	CAS	Data
Glycol Ether	111-76-2	<b>Acute Toxicity:</b> orl-rat TDLo:470 gm/kg; LC50- 450 ppm
Ammonia	7664-41-7	<b>Acute Toxicity:</b> orl-rat LD50: 9500 mg/kg

<b>Other Component Information</b>	* IARC has concluded that the following chemicals in this product are carcinogenic to humans(Group 1): silica, quartz. ACGIH has designated the following chemicals in this product as suspected human carcinogens (A2): silica, quartz. NTP has listed the following chemicals in this product as known human carcinogens: silica, quartz. Risk of cancer depends on duration and level of exposure to this product as a dust or aerosol mist.
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## Section 12 - Ecological Information

<b>Ecological Fate</b>	* No data available.
<b>Persistence/Degradability</b>	* No data available.
<b>Bioaccumulation Potential</b>	* No data available.
<b>Mobility in Soil</b>	* No data available.
<b>Other Information</b>	* Do not allow product exposure to the ground or into any waterway. Do not allow entry into municipal sewer systems.

## Section 13 - Disposal Considerations

<b>Product</b>	* Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
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## Section 14 - Transportation Information

DOT - United States - Department of Transportation - Shipping Name: Not Regulated.

TDG - Canada - Transportation of Dangerous Goods - Shipping Name: Not Restricted.

IMO/IMDG - International Maritime Transport Shipping Name: Not Regulated.

IATA - International Air Transportation Association - Not Regulated.

## Section 15 - Regulatory Information

**SARA Hazard Classifications** \* Acute, Chronic

### State Right To Know

Component	CAS	MA	MN	NJ	PA
Water	7732-18-5	No	No	No	No
Epoxy Copolymer	62256-00-2	No	No	No	No
Nephylene Syenite	37244-96-5	No	No	No	No
Mica	12001-26-2	No	No	No	No
Ammonia	7664-41-7	Yes	Yes	Yes	Yes
Glycol Ether	107-21-1	Yes	Yes	Yes	Yes

### Inventory

Component	CAS	EU EINECS	TSCA
Water	7732-18-5	No	No
Epoxy Copolymer	62256-00-2	No	No
Nephylene Syenite	37244-96-5	No	No
Mica	12001-26-2	No	No
Ammonia	7664-41-7	Yes	Yes
Glycol Ether	107-21-1	Yes	Yes

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

- Glycol Ether 107-21-1

## United States

### Environment

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Glycol Ether 107-21-1

## United States - California

### Environment

#### U.S. - California - Proposition 65 - Carcinogens List

- Glycol Ether 111-76-2

## United States - Rhode Island

### Labor

#### U.S. - Rhode Island - Hazardous Substance List

- Titanium Dioxide 13463-67-7 Toxic
- Glycol Ether 107-21-1 Combustible

### Other Information

\* WARNING: This product contains a chemical known to the State of California to cause cancer.

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## Section 16 - Other Information

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**Preparation Date** \* 4/12/2015

**Last Revision Date** \* 4/12/2015

### Disclaimer/Statement of Liability

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