

**SECTION 1: IDENTIFICATION**

**Product Identifier**

Product Name	Product Form	Product Code
TAGSTER™	Liquid	RH-500

**Relevant identified uses of the substance or mixture:**

Graffiti removal, paint removal

**Details of the supplier of the safety data sheet**

Rhomar Industries, Inc.  
2107 E. Rockhurst St.  
Springfield, MO 65802 USA  
T 417-866-5592; F 417-866-5593  
solutions@rhomar.com

**Emergency telephone number**

1-800-535-5053

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification:**

Flammable liquids (Category 4)  
Eye irritation (Category 2A)

**Hazard Statements:**

Combustible liquid  
Causes serious eye irritation

**Precautionary Statements**

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Wash skin thoroughly after handling.  
Wear protective gloves/eye protection/face protection.

**Response:**

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.

Skin Contact: Wash with plenty of soap and water.

Ingestion: Call a doctor/physician if you feel unwell. Rinse mouth

Other: Take off contaminated clothing and wash before reuse.

**Storage:**

Store in a well-ventilated place. Keep cool.

**Disposal:**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.



**Signal Word:**

Warning

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Mixture**

Name	CAS #	Weight %
Diethylene Glycol Monobutyl Ether	112-34-5	60-70
Dimethyl Sulfoxide	67-68-5	20-30
Synthetic Amorphous Pyrogenic Silica	12945-52-5	1-10

Any concentration shown as a range is to protect confidentiality or is due to process variation.

**SECTION 4: FIRST-AID MEASURES****First Aid Measures**

**Inhalation:** Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call physician.

**Eye Contact:** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Ingestion:** Rinse mouth. Call a Poison Center or doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing, wash with plenty of soap and water. If skin irritation persists, call a physician.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms:** May cause serious eye irritation with reddening and watering.

**Indication of any Immediate Medical Attention and Special Treatment Needed:** No data available.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media:** Not determined.

**Specific Hazards Arising from the Chemical:** Carbon oxides.

**Protective Equipment and Precautions for Firefighters:** 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:** Use personal protective equipment as required. Avoid breathing vapor/mist. Ensure adequate ventilation. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and Material for Containment and Cleaning Up:** Contain spillage and then soak up with inert absorbent material and arrange for disposal. Do not let product enter the drains. Keep in suitable, closed containers for disposal.

**SECTION 7: HANDLING AND STORAGE****Precautions for Safe Handling**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	CAS #	ACGIH – TLV	OSHA PEL	NIOSH	WEL
Diethylene Glycol Monobutyl Ether	112-34-5	10ppm	No limits established	No limits established	No limits established
Dimethyl Sulfoxide	67-68-5	No limits established	No limits established	No limits established	250ppm
Synthetic Amorphous Pyrogenic Silica	112945-52-5	10 mg/m <sup>3</sup>	6 mg/m <sup>3</sup>	No limits established	No limits established

**Appropriate Engineering Controls**

**Engineering Controls:** Provide adequate ventilation.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** Wear NIOSH approved safety goggles or safety glasses with side shields.

**Skin and Body Protection:** Wear suitable impervious protective clothing

**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## Information on Basic Physical and Chemical Properties

Physical State	Liquid		
Color	Opaque		
pH	No data available	Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	231-372° F	Evaporation Rate	No data available
Flash Point	172° F	Upper Flammable Limits	42% (V)
Flammability (Solid, Gas)	No data available	Vapor Pressure	No data available
Lower Flammable Limits	0.9% (V)	Specific Gravity	.099 g/cm <sup>3</sup> at 77° F
Vapor Density	No data available	Partition Coefficient	No data available
Water Solubility	Miscible	Decomposition Temperature	No data available
Autoignition Temperature	No data available	Dynamic Viscosity	No data available
Kinematic Viscosity	No data available	Oxidizing Properties	No data available
Explosive Properties	Not an explosive	Odor Threshold	No data available
Odor	Mild Ketone		

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** No data available.

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** No data available.

**Conditions to Avoid:** Heat, flames, sparks. May form peroxides of unknown stability.

**Incompatible Materials:** Strong oxidizing agents, strong bases, strong acids, strong reducing agents, acid chlorides.

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

## Information on Likely Routes of Exposure

## Product Information

**Inhalation:** Avoid breathing fumes/vapors/mist.

**Eye contact:** Causes serious eye irritation

**Skin Contact:** Causes skin irritation. DMSO readily penetrates the skin and may carry other dissolved chemicals into the body.

**Ingestion:** Harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Diethylene Glycol Monobutyl Ether	112-34-5	=7,291 mg/kg (Rat)	2,764 mg/kg (Rabbit)	No data available
Dimethyl Sulfoxide	67-68-5	14,500 mg/kg (Rat)	>5,000 mg/kg (Rabbit)	40,250 ppm (Rat) 4h
Synthetic Amorphous Pyrogenic Silica	112945-52-5	>5,000 mg/kg (Rat)	>2,000 mg/kg (Rabbit)	No data available

<b>Chemical Name</b>	Diethylene Glycol Monobutyl Ether	Dimethyl Sulfoxide	Synthetic Amorphous Pyrogenic Silica
<b>Skin corrosion/irritation</b>	Mild skin irritation (Rabbit) 1h	No data available	0/8 @ 24hr
<b>Serious eye damage/irritation</b>	Eye Irritation (Rabbit)	No data available	Draize score 1.0/110 @ 24hr
<b>Respiratory or skin sensitization</b>	Negative	No data available	Not expected
<b>Mutagenicity</b>	Negative	Mouse DNA damage	Negative
<b>Carcinogenicity</b>	Not Classifiable	Negative	Negative
<b>Reproductive toxicity</b>	No data available	Positive	Not expected
<b>Specific target organ toxicity single exposure</b>	No data available	No data available	No data available
<b>Specific target organ toxicity repeated exposure</b>	No data available	No data available	No data available
<b>Aspiration hazard</b>	No data available	No data available	No data available

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity:** This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP or EPA classification.

**Numerical Measures of Toxicity:** Not determined.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** There is no data available for this product as a whole.

<b>Chemical Name</b>	<b>CAS#</b>	<b>Algae/Aquatic Plants</b>	<b>Fish</b>	<b>Aquatic Invertebrates</b>
Diethylene glycol monobutyl ether	112-34-5	Static test EC50 <i>Desmodesmus subspicatus</i> ( <i>Scenedesmus</i> ) >100mg/l – 96 h	Static test LC50 <i>Lepomis macrochirus</i> 1,300 mg/l – 96 h	Static test EC 50 <i>Daphnia magna</i> (Water flea) >100 mg/l – 48 h
Dimethyl Sulfoxide	67-68-5	EC50 <i>Pseudokirchneriella subcapitata</i> (green algae) 17,000 mg/l – 72 h	LC50 <i>Oncorhynchus mykiss</i> (rainbow trout) 35,000 mg/l – 96 h LC50 <i>Pimephales promelas</i> (fathead minnow) 34,000 mg/l – 96 h	Immobilization EC50 <i>Daphnia</i> 24,600 mg/l – 48 h
Synthetic Amorphous Pyrogenic Silica	119245-52-5	No data available	LC50 ( <i>Brachydanio rerio</i> ) >10,000 mg/l – 96 h	No data available

**Persistence and Degradability:** No data available.

**Bioaccumulation:** No data available.

**Mobility:** No data available.

**SECTION 13: DISPOSAL INFORMATION**

**Waste Disposal Method:** Dispose of material in accordance with all Federal, State, and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

**SECTION 14: TRANSPORT INFORMATION**

**DOT Proper Shipping Description**

**Bulk and Non-Bulk:** Not regulated.

**SECTION 15: REGULATORY INFORMATION**

**SARA Title III Section 311/312 (40CFR370):** Fire hazard, Acute health hazard, Chronic health hazard.

**SARA Title III Section 313 (40CFR372):** One reportable component.

Chemical Name	CAS#	Weight %	SARA 313 – Threshold Values %
Diethylene Glycol Monobutyl Ether	112-34-5	60-70	1.0

**RCRA Status (40CFR261.33):** No reportable components.

**TSCA Inventory Status:** Reported/included.

**OSHA/NTP/IARC Carcinogen Status:** Not listed.

**Canadian DSL Status:** Reported/included.

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**U.S. States Right-to-Know Regulations**

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania
Diethylene glycol Monobutyl Ether	112-34-5	X	No Components	X
Dimethyl Sulfoxide	67-68-5	X	No Components	X
Synthetic Amorphous Pyrogenic Silica	112945-52-5	No Data Available	No Data Available	No Data Available

#### SECTION 16: OTHER INFORMATION

**HMIS Ratings:**

Health: 2\*  
 Flammability: 2  
 Reactivity: 0

Indication of changes: Revision-1

Date Sheet Prepared: 03/19/2015

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

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