



Material Safety Data Sheet

RHODASURF TB 970 MOLTEN (BULK SHIPMENT)

Date Prepared: 2/06/09

Supersedes Date: 0/00/00

1. PRODUCT AND COMPANY DESCRIPTION

RHODIA INC.
RHODIA NOVECARE
CN 7500
8 Cedar Brook Drive
Cranbury NJ 08512-7500

Emergency Phone Numbers:

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC (800-424-9300 within the United States or 703-527-3887 for international collect calls) or Rhodia CAERS (Communication and Emergency Response System) at 800-916-3232.

For Product Information:

(800) 973-7873

Chemical Name or Synonym:

ALCOHOLS, C12-20, ETHOXYLATED

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg Number	OSHA Hazard	Percentage
ALCOHOLS, C12-20, ETHOXYLATED	68526-94-3	N	> 99
WATER	7732-18-5	N	< 1

3. HAZARDS IDENTIFICATION

A. EMERGENCY OVERVIEW:**Physical Appearance and Odor:**

off-white hot liquid, slight odor.

Warning Statements:

DANGER! HOT LIQUID. MAY CAUSE THERMAL BURNS.

B. POTENTIAL HEALTH EFFECTS:**Acute Eye:**

Hot liquid may cause significant burns, irreversible eye damage, blindness.

Acute Skin:

Hot liquid may cause significant burns, destruction of skin tissue.

Acute Inhalation:

Mists may cause serious damage to lung tissue and respiratory tract.

Acute Ingestion:

Can cause burns to mouth and esophagus.

Chronic Effects:

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

4. FIRST AID MEASURES

FIRST AID MEASURES FOR ACCIDENTAL:**Eye Exposure:**

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If the physician is not immediately available, eye irrigation should be continued for an additional 15 minutes. If it is necessary to transport the patient to a physician and the eye needs to be bandaged, use a dry sterile cloth pad and cover both eyes.

Skin Exposure:

In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

Inhalation:

Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

Ingestion:

Wash out mouth with water and keep at rest. Seek immediate medical attention. Do not induce vomiting unless instructed to do so by a physician.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:

Skin contact may aggravate existing skin disease.

NOTES TO PHYSICIAN:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Treat symptomatically. No specific antidote available.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

Flash Point:

> 93 C (200 F). Flammability Class: WILL BURN.

Method Used:

Closed cup

Flammability Limits (vol/vol%):

Lower:

No Data

Upper:

No Data

Extinguishing Media:

Recommended: dry chemical, carbon dioxide, foam.

Special Fire Fighting Procedures:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards:

Product will burn under fire conditions. Like all organic and most dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard.

Hazardous Decomposition Materials (Under Fire Conditions):

oxides of carbon

Dust Explosivity Data:

Explosibility Index:	< 0.09 Type of Explosion is Rated WEAK.
Ignition Sensitivity:	< 0.2
Explosion Severity:	< 0.5
Cloud Ignition Temp:	> 340 C (644 F)
Min Cloud Ignition Energy:	> 10 milliJoules
Layer Ignition Temp:	No Data
Max. Explosion Pressure:	7.4 bars
Max. Rate of Pressure Rise:	470 bars/second
Min. Explosion Concentration:	No Data

6. ACCIDENTAL RELEASE MEASURES

Evacuation Procedures and Safety:

Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Containment of Spill:

Dike spill using absorbent or impervious materials such as earth, sand or clay. Follow procedure described below under Cleanup and Disposal of Spill.

Cleanup and Disposal of Spill:

Allow material to solidify. Shovel up into an appropriate closed container (see Section 7: Handling and Storage). Avoid creation of dusty conditions. Use non-sparking tools. Clean up residual material by washing area with water. Collect washings for disposal.

Environmental and Regulatory Reporting:

Do not flush to drain. Prevent material from entering public sewer system or any waterways. Spills may be

reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures:

< 100 C (212 F)

Handling:

WARNING]] Exercise care in handling and using this product. Personnel handling this product should be thoroughly trained as to its hazards. Product is a solid at ambient temperature. If it is handled as a liquid, there is significant hazard of 1st, 2nd and 3rd degree burns. Do not breathe vapors and mists. Do not get on skin or in eyes. Avoid contact with moisture, taking precautions to avoid contamination with water.

Ethylene oxide may collect in container head space. Although concentrations are expected to remain below established exposure limits, provide adequate ventilation when accessing or working with open containers and tanks. THIS PRODUCT MAY PRESENT A DUST EXPLOSION HAZARD.

Storage:

Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from ignition sources, away from incompatible materials (see Section 10. Stability and Reactivity), SHIP AND STORE BETWEEN THE MINIMUM AND MAXIMUM RECOMMENDED STORAGE TEMPERATURE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Introductory Remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Exposure Guidelines:

No exposure limits were found for this product or any of its ingredients.

Engineering Controls:

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures.

Respiratory Protection:

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Eye/Face Protection:

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area. Face contact should be prevented

through use of a face shield.

Skin Protection:

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work Practice Controls:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

Physical Appearance:

off-white hot liquid.

Odor:

slight odor.

pH:

6 to 8 at 10 wt/wt%.

Specific Gravity:

1.06 at 80 C (176 F).

Water Solubility:

partially soluble

Melting Point Range:

52 to 55 C (126 to 131 F)

Boiling Point Range:

Not Available

Vapor Pressure:

< 0.1 mmHg at 25 C (77 F)

Vapor Density:

Not Available

10. STABILITY AND REACTIVITY

Chemical Stability:

This material is stable under normal handling and storage conditions described in Section 7.

Conditions To Be Avoided:

dusting conditions
heat
open flame
spark
water

Materials/Chemicals To Be Avoided:

strong oxidizing agents
strong reducing agents

The Following Hazardous Decomposition Products Might Be Expected:**Decomposition Type: thermal**

oxides of carbon

Hazardous Polymerization Will Not Occur.**Avoid The Following To Inhibit Hazardous Polymerization:**

not applicable

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation:**Toxicological Information and Interpretation:**

eye - eye irritation, rabbit. Non-irritating.

Acute Skin Irritation:**Toxicological Information and Interpretation:**

skin - skin irritation, rabbit. Non-irritating.

Acute Dermal Toxicity:

No test data found for product.

Acute Respiratory Irritation:

No test data found for product.

Acute Inhalation Toxicity:

No test data found for product.

Acute Oral Toxicity:**Toxicological Information and Interpretation:**

LD50 - lethal dose 50% of test species, > 12500 mg/kg, rat.

Chronic Toxicity:

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information:

No data found for product.

Chemical Fate Information:

No data found for product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Container Handling and Disposal:

Any containers or equipment used should be decontaminated immediately after use.

EPA Hazardous Waste - NO

14. TRANSPORTATION INFORMATION

Transportation Status: IMPORTANT! Statements below provide additional data on listed DOT classification.

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US Department of Transportation

Shipping Name:

NOT REGULATED

15. REGULATORY INFORMATION

Inventory Status

Inventory	Status
UNITED STATES (TSCA)	Y
CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	P
AUSTRALIA (AICS)	Y
JAPAN (MITI)	Y
SOUTH KOREA (KECL)	Y

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

FEDERAL REGULATIONS**Inventory Issues:**

All functional components of this product are listed on the TSCA Inventory.

SARA Title III Hazard Classes:

Fire Hazard	- NO
Reactive Hazard	- NO
Release of Pressure	- NO
Acute Health Hazard	- YES
Chronic Health Hazard	- NO

STATE REGULATIONS:

This product contains the following components that are regulated under California Proposition 65:

Ingredient Name	Cancer List	Reprod. List	No Sign. Risk Lvl (ug/day) California	RPI
ETHYLENE OXIDE	Y	Y	2	ND
DIOXANE	Y	N	30	ND

16. OTHER INFORMATION**National Fire Protection Association Hazard Ratings--NFPA(R):**

- 3 Health Hazard Rating--Serious
- 1 Flammability Rating--Slight
- 0 Instability Rating--Minimal

National Paint & Coating Hazardous Materials Identification System--HMIS(R):

- 3 Health Hazard Rating--Serious
- 1 Flammability Rating--Slight
- 0 Reactivity Rating--Minimal

Reason for Revisions:

New product MSDS.

Key Legend Information:

ACGIH - American Conference of Governmental Industrial Hygienists
 OSHA - Occupational Safety and Health Administration
 TLV - Threshold Limit Value
 PEL - Permissible Exposure Limit
 TWA - Time Weighted Average
 STEL - Short Term Exposure Limit
 NTP - National Toxicology Program
 IARC - International Agency for Research on Cancer
 ND - Not determined
 RHODIA - Rhodia Established Exposure Limits

Disclaimer:

The information herein is given in good faith but no warranty, expressed or implied, is made.

**** End of MSDS Document ****



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MAIL TO

THIS ANALYSIS COVERS OUR SHIPMENT TO

RHODIA INC. C/O BLUE ISLAND
14000 SEELEY AVENUE
BLUE ISLAND IL 60406-3261

Certificate of analysis

Date

03/30/2009

Purchase order item/Date

Delivery item / Date

280231616 000010 / 03/31/2009

Order item/ Date

Customer number

50329

Customer Product Code / Description

Container number

The dispatched material conforms to agreed requirements

Material: 45707 RHODASURF L 2 BULK
Batch : MH9C28C11 / Quantity: 44,980 LB
Date of Mfg : 03/30/2009 / Recommended re-test date: 03/30/2010

Characteristic	Value	Lower Limit	Upper Limit
MOISTURE (KARL FISHER), %	0.05		0.10
HYDROXYL NUMBER, MG KOH/G	204.4	200.0	206.0
APPEARANCE @ 25 DEG C	Pass	-	-
<i>Clear to slightly hazy liquid</i>			
COLOR APHA	5		20
PEG, %	0.9		1.0
PH (1% WT IN 10/6 IPA:DIH2O V/V)	6.70	6.00	7.50

RHODASURF L-2

Date / Quality control analyst

03/30/2009

Andrew Smith