

## SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200 AND SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 PUBLIC LAW 99-499. STANDARD SHOULD BE CONSULTED FOR SPECIFIC REQUIREMENTS.

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**NAME OF PRODUCT:** ROTOGUARD  
**SYNONYMS:** EUTECTIC ROTOGUARD  
**PRODUCT CODE:** XROTOG

**MANUFACTURER/:** EUTECTIC CORPORATION  
**SUPPLIER** N94 W14355 GARWIN MACE DRIVE  
MENOMONEE FALLS, WI 53051 USA

**TELEPHONE NUMBER:** (262) 532-4677  
**FAX NUMBER:** (262) 255-5542  
**EUTECTIC WEBSITE:** [www.eutectic.com](http://www.eutectic.com)

**For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night:**

Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

**PRODUCT USE:** Chemical Aid

### SECTION 2: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Flammable liquid. FLASHPOINT: 54 °F (12.2 °C)

**Target organ statement: DANGER:** Causes severe burns to skin, eyes, and respiratory system. May be fatal if swallowed.

**DANGER!**

Extremely flammable liquid and vapor.  
Vapor may cause flash fire.  
Harmful or fatal if swallowed.  
Harmful if inhaled.  
May affect central nervous system.  
May cause irritation to skin, eyes, and the respiratory tract.

**Hazard categories:**

Flam. Liquid 3  
Asp. Tox. 1  
Skin Irrit. 2  
STOT SE-3 (Central nervous system, inhalation)  
Hazardous to the aquatic environment; Aquatic Chronic 2

**DANGER**

**GHS PICTOGRAMS; 07, 02, 09, 08**



Contains: VM&P Naptha & Benzene

### Hazard statements

H224 Extremely flammable liquid and vapor  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H319 Causes eye irritation  
H340 May cause genetic defects (benzene)  
H350 May cause cancer (benzene)  
H336 May cause drowsiness or dizziness  
H372 Causes damage to organs through prolonged or repeated exposure  
H411 Toxic to aquatic life with long lasting effects

### Precautionary statements

P285 In case of inadequate ventilation wear respiratory protection.  
P314 Get medical advice/attention if you feel unwell.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P501 Dispose of contents/container to waste treatment facility in accordance with local and national regulations.

### ROUTES OF ENTRY:

Primary route of entry is the respiratory system. Other possible routes are eyes, ingestion, and/or skin contact.

### POTENTIAL HEALTH EFFECTS:

**INHALATION:** Vapors may be irritating to nose, throat and respiratory tract. High vapor concentrations may cause central nervous system (CNS) depression.

**INGESTION:** Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

**SKIN CONTACT:** Liquid is mildly irritating to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.

**EYE CONTACT:** Vapors may cause irritation. Splashes may cause redness and pain and is mildly irritating.

**SIGNS AND SYMPTOMS:** Irritation as noted above. Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness, and nausea. In extreme cases unconsciousness and death may occur. Aspiration pneumonitis may be evidenced by coughing, labored breathing and cyanosis (bluish skin). In severe cases death may occur.

**ACUTE HEALTH HAZARDS:** see Section 11

**CHRONIC HEALTH HAZARDS:** see Section 11

**WARNING:** This product contains or produces a chemical known to the State of California to cause birth defects (or other reproductive harm) and possibly cancer. (California Health & Safety Code 25249.5 et seq.).

**WARNING:** avoid breathing fumes and vapors; they may dangerous to your health. Always use adequate ventilation and use appropriate personal protection equipment.

### CARCINOGENICITY

**WELDING FUMES** (not otherwise specified) are considered to be carcinogenic defined with no further categorization by **NIOSH** and **IARC**.

Before using this product, contact your doctor to determine if exposure to product or use of this product will aggravate your medical conditions.

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

**IMPORTANT:** This section covers the materials from which these products are manufactured. Any of the chemicals or compounds subject to reporting under Title III, in Section 313, of the Superfund Amendments and Reauthorization Act (SARA) are marked by the symbol #.

INGREDIENTS	CAS NUMBER	Exposure Limit (mg/m <sup>3</sup> )		Percent Ingredients (by weight)
		OSHA PEL	ACGIH -TLV	
VM&P Naptha	64742-89-8	300 ppm	300 ppm	Balance
Acrylic Polymer (isobutyl methacrylate basis)	\$\$\$	Not listed	Not listed	30 – 40
Benzene #	71-43-2	1 ppm (TWA)	0.1 ppm (TWA)	< 30 ppm

\$\$\$ - This ingredient does not contain any components considered to be health hazards under OSHA Hazard Communication Standard 29 CFR 1910.1200 or under the WHIMS Controlled Product Regulations in Canada according to the supplier - proprietary.  
ppm = parts per million TWA: Time Weighted Average

**CAS / EINECS NUMBER / HAZARD CLASSIFICATION FOR ABOVE INGREDIENTS**

INGREDIENTS	CAS NUMBER	EINECS NUMBER	Hazard Classification per ECD 67/548/EEC
VM&P Naptha	64742-89-8	265-192-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn;R65
Acrylic Polymer (isobutyl methacrylate basis)	\$\$\$	Not applicable	No
Benzene #	71-43-2	200-753-7	F;R11, Carc. Cat1; R45 Muta.Cat2; R46 T;R48/23/24/25 Xn;R65 Xi;R36/38

Full text of each relevant R phrase can be found in Section 16. Classification numbers are subject to change.

**SECTION 4: FIRST AID MEASURES**

**EMERGENCY & FIRST AID PROCEDURES:** Call for medical aid and inform them of the ingredients from Section 3. Employ first aid techniques recommended by The American Red Cross.

**INHALATION:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention.

**INGESTION:** Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.\*

**SKIN CONTACT:** Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Employ first aid techniques as recommended by The American Red Cross.

**\*NOTE TO PHYSICIAN:** If more than 2.0 ml per KG has been ingested and vomiting has not occurred, emesis should be induced per supervision. Keep victim's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

## SECTION 5: FIRE FIGHTING MEASURES

**FIRE:** Flash Point : 54 °F (12.2 °C)

**Rating under National Fire Protection 704:** Health, 2 Flammability, 3 Reactivity, 0

**VM&P Naptha: FLAMMABLE!** Keep away from heat and ignition sources. Flammable limits in air 0.9% - 7%. Contact with strong oxidizers may cause fire.

**EXPLOSION:** Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Sealed containers may rupture when heated. Sensitive to static discharge.

**FIRE EXTINGUISHING MEDIA:** Dry chemical, foam, or carbon dioxide. Do not use a direct stream of water. Water may be ineffective. Do not allow water runoff to enter sewers or waterways. Product will float and can be re-ignited on surface of water.

**SPECIAL INFORMATION:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode. Water spray may be used to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. Vapors can flow along surfaces to distant ignition source and flash back.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Do not discharge into the drain or bodies of water. Do not flush to sewer! Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with and inert material (E.G. vermiculite, dry sand, earth), and place in a chemical waste container. DO NOT USE CUMBUSTUBLE MATERIALS, SUCH AS SAWDUST. If a spill or leak has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

**PERSONAL PRECAUTIONS:** Wear head, hand, and body protection that help to prevent injury; including rubber apron and naptha resistant rubber gloves. Ensure of adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS:** Do not flush residue into waterways.

## SECTION 7: HANDLING AND STORAGE

**HANDLING:** Avoid exposure to product; do not ingest and avoid contact with eyes. Use only in well ventilated areas. Some individuals can develop an allergic reaction to certain materials. Do not eat, drink, or smoke when using this product. Wash thoroughly after using this product.

**STORAGE:** Keep material sealed and stored at room temperature. After opening keep remaining product sealed and dry in original labeled packaging. Store at ambient room temperature and store away from strong acids and oxidizing agents. Do not store near food. Do not store near extreme heat, open flame, or sources of ignition. Protect against physical damage. Store in a cool, dry, well ventilated location, away from any area where the fire hazard may be acute. Surfaces that are sufficiently hot may ignite even liquid product in absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Vapors may accumulate and travel to ignition sources distant from the handling site. Flash fire can result. Keep containers closed when not in use. Use adequate ventilation.

Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld, or perform similar operations on or near the containers.

Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment.

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



**Read and understand the manufacturer's instructions and precautionary label on this product.**

**WARNING:** Air-purifying respirators do NOT protect workers in oxygen deficient atmospheres.

**ENGINEERING CONTROLS:** Proper ventilation **must** be maintained.

**PROTECTIVE CLOTHING:** Wear head, hand, and body protection that help to prevent injury; including rubber apron and rubber gloves. See ANSI Z49.1.

**SKIN PROTECTION:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear protective gloves and clean body-covering clothing.

**EYE PROTECTION:** Use chemical safety goggles and / or full face shield where splashing is possible. Maintain eye wash fountains and quick-drench facilities in work area.

**VENTILATION:** Use enough ventilation, local exhaust at the work area, or both, to keep the fumes and gases below the TLV's / PEL's in the workers breathing zone and the general area. Train the worker to keep his head out of the fumes. Monitor fume levels and do not exceed permissible exposure limits or values. Adhere to environmental regulations for exhausts.

Local exhaust is preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. See ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", for details.

**RESPIRATORY PROTECTION:** Do NOT breathe fumes. If the workstation is not properly ventilated to exhaust all fumes and vapors, use a NIOSH approved respirator. Monitor fume levels and keep exposure below the TLV's.

**Personal Respirators (NIOSH approved):** If the exposure limit is exceeded and engineering controls are not feasible, a half face organic vapor respirator may be worn for up to ten times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face organic respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator.

**OTHER PROTECTIVE EQUIPMENT:** Full protective equipment normally used in operation so as to prevent any contact. Review operations to avoid contact with hazardous gas, liquid, or solid. See also:

29CFR 1910.132 - 29 CFR 1910.140 Personal Protective Equipment

**WORK HYGIENIC PRACTICES:** Professionally wash contaminated clothing before re-use. Food and drink should not be consumed or neither tobacco products used, nor cosmetics applied in area where flux exposures are possible.

**EXPOSURE GUIDELINES** Use industrial hygiene monitoring equipment to ensure that exposure does not exceed applicable national exposure limits. See Section 3 for ingredients.

**EFFECTS OF OVEREXPOSURE** – use of this product can create one or more of the following health hazards:

**FUMES AND GASES** can be dangerous to your health.

**PRIMARY ROUTES OF ENTRY** are the respiratory system. Other possible routes are eyes, ingestion, and/or skin contact.

**PREEXISTING** respiratory or allergic conditions may be aggravated in some individuals (i.e. asthma, emphysema).

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Light colored liquid

**Flash Point :** 54 °F (12.2 °C)

**Odor:** Hydrocarbon odor.

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under ordinary conditions of use and storage. Heat and sunlight can contribute to instability.

**Hazardous Decomposition Products:** Carbon monoxide and unidentified organic compounds may form when heated to decomposition.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Strong oxidizers. Will attack some forms of plastics, rubber, and coatings.

**Conditions to Avoid:** Heat, sparks, flame, ignition sources, and incompatibles.

## SECTION 11: TOXICOLOGICAL INFORMATION

### **VM&P Naptha:**

Not currently listed as a carcinogen. Male rats exposed by prolonged and repeated inhalation to high vapor concentrations of similar solvents, like VM&P naphtha, showed evidence of kidney damage. The relevance of this effect to man is unknown.

### **ROUTES OF EXPOSURE:**

The substance can be absorbed into the body by inhalation of its vapour, through the skin and by ingestion.

### **INHALATION RISK:**

A harmful contamination of the air can be reached very quickly on evaporation of this substance at 20°C.

**POTENTIAL ACUTE HEALTH EFFECTS:** The substance irritates the eyes. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. The substance may cause effects on the central nervous system. Exposure could cause lowering of consciousness. Exposure could cause cardiac arrhythmias.

**POTENTIAL CHRONIC HEALTH EFFECTS:** Repeated or prolonged contact with skin may cause dermatitis. The substance may have effects on the nervous system, liver and kidneys. May cause reproductive toxicity in humans.

Monitor fume levels when using this product. See safety phrases in Section 16 for further information.

## SECTION 12: ECOLOGICAL INFORMATION

**CONTAMINATED PACKAGING:** Empty containers should be taken for local recycling, recovery, or waste disposal. Contaminated flux should be disposed of in accordance with Federal, State, and Local regulations.

**SPILLS:** Very toxic to aquatic organisms may cause long term effects in the aquatic environment. Do not discharge into ground water or aquatic environment. Contain spill and dispose of in accordance with Federal, State, and Local regulations.

## SECTION 13: DISPOSAL CONSIDERATION

**WASTE DISPOSAL METHOD:** Dispose of any waste residues in accordance with Federal, State, and Local regulations.

**SECTION 13 NOTES:** Review U.S. Federal Hazardous Waste Regulations §40 CFR261 to determine if this is hazardous in USA. Please be advised that state and local requirements, or other country requirements, for waste disposal may be more restrictive or otherwise different than U.S. Federal regulations. It is not possible to give this product a waste code number according to the European waste catalogue because only the intended use of the user consents the assignment of a specific code number.

**SECTION 14: TRANSPORTATION INFORMATION**

**DOMESTIC TRANSPORT REGULATIONS (USA):**

**Domestic: (Land, D.O.T.)**

**Proper Shipping Name:** Petroleum Distillates, N.O.S. (VM&P Naptha)

**Hazard Class:** 3 (Flammable Liquids)

**UN/NA:** UN 1268

**Packing Group:** II

**International (Water, I.M.O.)**

**Proper Shipping Name:** Petroleum Distillates, N.O.S. (VM&P Naptha)

**Hazard Class:** 3 (Flammable Liquids)

**UN/NA:** UN 1268

**Packing Group:** II

Other regulations may apply when shipping this material and are in the process of change or update, verify all applicable regulations prior to shipment either domestically, internationally via air, ground, or water.

Handle with care to avoid damaging the product. Keep product labeled and in original container.

**SECTION 15: REGULATORY INFORMATION**

**Read and understand the manufacturer's instructions and precautionary label on this product.**

**U.S. EPA TSCA (TOXIC SUBSTANCE CONTROL ACT):** All constituents of these products are on the TSCA inventory list or are excluded from listing. Acrylic Polymer (isobutyl methacrylate basis): This product or its components are listed in or are exempt from the TSCA inventory requirements. Balance of the Rotoguard ingredients are TSCA listed.

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center and to our Local Emergency Planning Committee.

International rules may vary and the appropriate regulations should be followed as defined by the country where the product is used.

**SECTION 16: OTHER INFORMATION**

This Safety Data Sheet has been revised due to modifications to several paragraphs and/or new format.

Prepared by Eutectic Corporation, USA

**R - Phrases**

**VM&P Naptha**

R45 : May cause cancer

R46 : May cause heritable genetic damage

R65 : Harmful: may cause lung damage if swallowed

**Benzene**

R11: Highly flammable

R45 : May cause cancer

R46 : May cause heritable genetic damage

R36/38 : Irritating to eyes and skin

R48/23/24/25: Toxic: Danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed

R65 : Harmful: may cause lung damage if swallowed



**VM&P Naptha & Benzene**

R53 : Avoid exposure – obtain special instructions before use

R45 : In case of accident or you feel unwell, seek medical advice immediately (show the label where possible)

**SUPPLEMENTAL INFORMATION – DEFINITIONS:**

IARC: International Agency for the Research on Cancer

NIOSH: National Institute for Occupational Safety and Health

OSHA: U.S. Occupational Safety and Health Administration

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service Registry Number

EINECS: European Inventory of Existing Chemical Substances

PEL: Permissible Exposure Limit

NTP: National Toxicology Program

TLV: Threshold Limit Value

ECD: European Council Directive

GHS: Globally Harmonized System

Exposure limits are subject to change. Contact ACGIH, OSHA, NIOSH, and IARC for current values.

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