



GLITSA RETARDER

2/24/2016

PRODUCT NAME: GLITSA RETARDER
PRODUCT CODE: 450696.00

HMIS CODES: H F R P
2*2 0 X

=====**SECTION I - MANUFACTURER IDENTIFICATION**=====

MANUFACTURER'S NAME: Rudd Company, Inc.
ADDRESS: 1141 N.W. 50th Street, Seattle WA 98107-5120
EMERGENCY PHONE: Call Chemtrec 1-800-424-9300 (spill, leak, fire, accident)
INFORMATION PHONE: 206-789-1000
NAME OF PREPARER: Rudd Company, Inc.- Regulatory Department

=====**SECTION II - HAZARDS IDENTIFICATION**=====

GHS CLASSIFICATION:

Flammable Liquids 4
Eye Irritation 2
Acute Toxicity 4

PICTOGRAM:



SIGNAL WORD:

WARNING

HAZARD STATEMENTS:

Combustible liquid. Harmful in contact with skin. Causes serious eye irritation.

PRECAUTIONARY STATEMENTS:

Keep away from heat, sparks, open flames, and hot surfaces. **NO SMOKING.** Keep container tightly closed. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. **IF ON SKIN:** Gently wash with plenty of soap and water. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention. **In case of fire:** Use dry sand, foam spray or a Type B fire extinguisher to extinguish. Store in well ventilated place. Keep cool. Dispose of according to local, state and federal regulations.

=====**SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS**=====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
ETHYLENE GLYCOL MONOPROPYL ETHER	2807-30-9		100

=====**SECTION IV - FIRST AID MEASURES**=====

GENERAL ADVICE:

Have Material Safety Data Sheet available when calling Poison Control Center (1-800-222-1222) or physician; or when going to the emergency room.

IF INHALED:

Remove from exposure to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Get medical attention immediately.

IN CASE OF SKIN CONTACT:

Immediately wash with soap and water. Remove contaminated clothing and shoes. Wash or clean thoroughly before reuse. Get medical attention if irritation persists.

IN CASE OF EYE CONTACT:

Immediately flush with plenty of water for 15 minutes, while lifting upper and lower eyelids. Get medical attention.



IF SWALLOWED:

DO NOT induce vomiting. Call Poison Control Center (1-800-222-1222) or physician immediately. Note: Aspiration of solvents may result in chemical pneumonia.

===== **SECTION V - FIREFIGHTING MEASURES** =====

EXTINGUISHING MEDIA: FOAM, CO₂, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES:

Evacuate all unnecessary personnel. Use full protective equipment, including self-contained breathing apparatus. Use water spray, preferably fog, to cool closed containers to prevent pressure build-up and possible explosion. Direct water stream is not recommended for oil base fires. Product may float and reignite on surface of water. Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or waterways.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Explosive air-vapor mixtures may form which are dangerous when exposed to heat or flame. Vapors are heavier than air and may travel along the ground, or be moved by ventilation, and ignited by pilot lights, stoves, heaters, electric motors, sparks, flame, smoking, static discharge or other ignition sources even at locations distant from material handling site if inadequately ventilated. Free falling streams of liquid may cause static electricity build-up and create a fire hazard.

Hazardous combustion by-products: see SECTION X

===== **SECTION VI - ACCIDENTAL RELEASE MEASURES** =====

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Eliminate ignition sources and ventilate area. Evacuate all unnecessary personnel. Wear full protective equipment. Dike drains to prevent entering storm or sanitary sewers, rivers, streams or waterways. Contain spill and cover with inert absorbent material. Take up using non-sparking tools (aluminum, brass or copper) and place mixture into containers for disposal. Note: Some spills or releases may require special reporting to local, state or federal agencies.

For specific information: see SECTION VIII

===== **SECTION VII - HANDLING AND STORAGE** =====

KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY!

PRECATIONS FOR SAFE HANDLING:

Keep liquid and vapors away from heat, sparks and flame. Turn off or remove all sources of ignition. Use proper methods of ventilation to prevent vapor build-up. Avoid contact with hot metal surfaces. When pouring large volumes, avoid free fall of liquids in excess of a few inches to prevent static charge build-up. Avoid breathing vapors and sanding or grinding dusts. Avoid contact with eyes and skin. Do not take internally. Use adequate methods of ventilation, respiratory and personal protective equipment. Do not reuse, weld, drill or heat empty containers which may contain explosive vapors. Follow label warnings until thoroughly cleaned or sent for disposal. Do not remove or deface label. Do not transfer to unlabeled container.

CONDITIONS FOR SAFE STORAGE:

Keep container closed when not in use and during transit. Do not store above 120 deg. F (50 deg. C). Keep in upright position and protect container from damage. When storing large quantities or when specified by local building or fire codes, store in buildings or areas designed and protected for storage of products with this flammability rating. To avoid spontaneous combustion, soak soiled oily rags and waste in water filled metal containers.

===== **SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION** =====

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

ETHYLENE GLYCOL MONOPROPYL ETHER (2807-30-9): ACGIH TLV: Not Est. OSHA PEL: Not Est. Other: 20 ppm (skin)

RESPIRATORY PROTECTION:



Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's instructions for use.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. Provide the maximum ventilation jobsite conditions allow (including fans, open doors, windows or other appropriate means of ventilation), to prevent vapor build-up.

HAND PROTECTION:

Wear impermeable gloves to prevent skin contact. Consult safety equipment supplier for specific recommendations of construction material

EYE PROTECTION:

Wear chemical goggles designed to protect eyes against vapors, liquid splash and mists unless full facepiece respirator is worn. Note: Contact lenses may contribute to the severity of an eye injury and should not be worn when working with chemicals.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Wear protective clothing to avoid skin contact with liquid or overspray.

APPROPRIATE ENGINEERING CONTROLS:

Eye washes and safety showers are recommended in the workplace. Wash hands after using and before eating, drinking or using tobacco products. Thoroughly clean contaminated clothing and shoes before reuse. Periodically monitor exposure levels to hazardous ingredients listed in section II and review permissible limits.

===== SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES =====

BOILING RANGE: 301
FLASH POINT: 120
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.3 **UPPER:** 15.8
MELTING POINT: Not available
DENSITY: 7.64 lb/gl
RELATIVE DENSITY: No Data
V.O.C.: 7.63 lb/gl 916 g/l
LB HAP/LB SOLIDS Not applicable
LB VOC/LB SOLIDS Not applicable
SOLIDS % BY WEIGHT 0
VAPOR DENSITY: Heavier than air.
VAPOR PRESSURE: See SECTION III
EVAPORATION RATE: Moderate (compared to n-butyl acetate)
SOLUBILITY IN WATER: Moderate
APPEARANCE AND ODOR: Colored or opaque liquid, solvent odor.
VISCOSITY: No Data

===== SECTION X - STABILITY AND REACTIVITY =====

REACTIVITY:

Will not occur.

STABILITY:

Stable

POSSIBILITY OF HAZARDOUS REACTIONS:

None Known

CONDITIONS TO AVOID:

High temperature and humidity, ignition sources and vapor build-up.

INCOMPATIBILITY (MATERIALS TO AVOID):

None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:



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2/24/2016

Carbon Monoxide Carbon Dioxide Hydrocarbons

=====**SECTION XI - TOXICOLOGICAL INFORMATION**=====

ACUTE TOXICITY:

ETHYLENE GLYCOL MONOPROPYL ETHER: LD50 Oral - Rat - male - 3,089 mg/kg
LC50 Inhalation - Mouse - 7 h - 1530 ppm
LD50 Dermal - Rabbit - male - 1,337 mg/kg

PRIMARY ROUTE(S) OF EXPOSURE: Inhalation, skin contact, ingestion.

INHALATION:

Vapors and mists may irritate nose, throat and lungs (burning, stinging, coughing). May cause headache, dizziness, nausea, weakness, shortness of breath and loss of coordination. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Exposure to extremely high vapor concentrations may cause unconsciousness and asphyxiation. Always wear a NIOSH approved respirator with functioning organic vapor cartridges and provide adequate ventilation at the jobsite during and after application. If formaldehyde concentrations are unknown, use formaldehyde specific cartridges.

EYE CONTACT:

Contact with liquid or vapors causes severe irritation (redness, watering, itching, stinging, blurred vision).

SKIN CONTACT:

Contact may cause severe irritation (dryness, itching, cracking, rash and swelling).

SKIN ABSORPTION:

May be absorbed through the skin in harmful amounts. Repeated and prolonged contact may have a cumulative effect. Symptoms may include headache, dizziness, nausea, weakness, loss of coordination.

SWALLOWING:

Causes nausea, vomiting and diarrhea.

CARCINOGENICITY: Not Applicable

NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:

Respiratory tract irritation, nausea, eye disorders, skin disorders, sensitization to chemical substances.

=====**SECTION XII - ECOLOGICAL INFORMATION**=====

TOXICITY:

ETHYLENE GLYCOL MONOPROPYL ETHER: Toxicity to fish static test LC50 - Pimephales promelas (fathead minnow) - >5,000 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates static test LC50 - Daphnia (water flea) - > 5,000 mg/l - 48 h
Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata - > 100 mg/l - 72 h

=====**SECTION XIII - DISPOSAL CONSIDERATIONS**=====

WASTE DISPOSAL METHODS:

Waste material and empty containers must be disposed of in accordance with all local, state and federal environmental control regulations. Use only approved waste management facilities.

=====**SECTION XIV - TRANSPORT INFORMATION**=====

DOT (US):

COMBUSTIBLE LIQUID, NOT REGULATED (for North American ground shipments only)
UN1263, PAINT RELATED MATERIAL, PGIII (for transportation mode other than ground and outside North American)
Contact your supplier for specific information.

=====**SECTION XV - REGULATORY INFORMATION**=====



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2/24/2016

COMMUNITY RIGHT TO KNOW LISTS

MASSACHUSETTS RIGHT TO KNOW: None Known

PENNSYLVANIA RIGHT TO KNOW: None Known

NEW JERSEY RIGHT TO KNOW: None Known

===== **DISCLAIMER** =====

DISCLAIMER: THE INFORMATION CONTAINED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE RELIABLE. TO THE BEST OF OUR KNOWLEDGE AND BELIEF ALL INFORMATION IS ACCURATE AND IS PROVIDED IN GOOD FAITH. HOWEVER, NO GUARANTEE OF ACCURACY IS MADE OR IMPLIED.