

Product Code: MSDS291
Product Name: RENEGADE 24:1 STRIPPER
 ITEM CODE: ND32040

24-hour Emergency Phone: (800) 535-5053

SKIN:

Causes Severe skin burns and ey damage. Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. Passage of the material into the body through the skin is possible, and skin contact may be harmful. May cause irritation.

INGESTION:

May cause nausea, vomiting and stomach irritation. Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation, abdominal pain, and vomiting blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injuries. Large doses may cause sore throat, coughing, labored respiration, dizziness, dullness, abdominal pain, vomiting, central nervous system depression, convulsions, and death due to respiratory failure.

INHALATION:

Harmful if inhaled, dependent on the extent of exposure. Under normal conditions, using adequate ventilation no problems are expected. Excessive inhalation may irritate the mucous membranes and the respiratory tract. Inhalation of vapors may cause central nervous system depression. May produce symptoms of central nervous system depression including headache, dizziness, nausea, euphoria, loss of equilibrium, drowsiness, visual disturbances, fatigue, unconsciousness and respiratory arrest. Severe overexposure may cause red blood cell damage. Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. May be absorbed into the bloodstream with symptoms similar to ingestion.

CHRONIC (CANCER) INFORMATION:

Not listed by IARC or NTP as a carcinogen.

TERATOLOGY (BIRTH DEFECT) INFORMATION:

Ethylene glycol, CAS # 107-21-1, is a reproductive and developmental toxicant when administered at high doses in experimental animals.

REPRODUCTION INFORMATION:

May damage rapidly reproducing cells. The regulatory information is not intended to be comprehensive. Other regulations may apply to this material. Monoethanolamine (MEA) caused harm to the fetus in a laboratory animal study in which high doses of the material were placed in the stomachs of the mothers through a feeding tube. In other studies, MEA was not harmful to unborn rats or rabbits when the chemical was given to the mothers by skin contact. Contact with MEA in the workplace at levels which are not harmful to the mother should have no effect on the unborn baby.

4. FIRST AID MEASURES

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HAZARDOUS COMBUSTION PRODUCTS:

Ammonia, carbon dioxide and carbon monoxide, nitrogen oxides. Oxides of carbon.

EXTINGUISHING MEDIA:

For a SMALL fire, Use dry chemicals, CO2, water spray or alcohol-resistant foam. For a LARGE fire, use water spray, water fog or alcohol resistant foam. Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

FIREFIGHTING INSTRUCTIONS:

Wear appropriate and suitable protective clothing and breathing equipment for the situation. Follow NFPA Fire Protection Guidelines. Use self-contained breathing apparatus. Vapors can travel to a source of ignition and flash back. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Use appropriate containment to avoid run-off. Keep out of streams, sewers and waterways. Collect free material. Absorb remainder on inert absorbant. Wash area with plenty of water.

LARGE SPILL:

If possible, clean up spill area on a dry basis and then flush with plenty of water. Absorb liquid with vermiculite, floor absorbent or other absorbent material. Keep out of sewer, streams, ponds, lakes, or other waterways.

7. HANDLING AND STORAGE

HANDLING:

Containers, even those that have been emptied, will retain product residue and vapor and should be handled as if they were full. Do not eat, drink or smoke in areas where this material is used. After handling, always wash hands thoroughly with soap and water. Do not handle near heat, sparks or flames. Use only with adequate ventilation/personal protection. Avoid contact with eyes, skin or clothing.

STORAGE:

Keep containers covered. Avoid eye and prolonged skin contact. Do not store near heat, sparks, flame or strong oxidants. Take the usual chemicals handling precautions. Handle and use in a manner consistent with good industrial techniques and practices. Keep containers covered.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use local and general exhaust ventilation to effectively remove and prevent buildup of mist/vapors/fumes generated from handling this product.

RESPIRATORY PROTECTION:

None Normally Needed. If vapors are present, use NIOSH approved respirator or self contained breathing apparatus.

SKIN PROTECTION:

Wear impervious gloves, safety apron, and clothing if there is a chance of skin contact with product.

EYE PROTECTION:

Chemical splash goggles with side shields recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 205C 401F
MELTING POINT: Not applicable.
VAPOR PRESSURE: NO INFORMATION AVAILABLE.
VAPOR DENSITY: (Air=1): >1
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: 1.0013
pH: 11.3-12.8
ODOR: Benzyl alcohol odor.
APPEARANCE: Cloudy amber liquid.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID):

Stable.

INCOMPATIBILITY:

Strong oxidizing agents, strong acids. Strong oxidizing agents. Reactive Metals(e.g. mild steel and aluminum), Bases.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon, and sulfur may be emitted if product burns. Oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION:

Will not occur.

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11. TOXICOLOGICAL INFORMATION

EYE:

EGBE is irritating to the eyes. Moderate to strong eye irritant.

SKIN:

EGBE is a minimal hazard by skin contact with liquid or vapor. May be absorbed through the skin. High dermal doses of EGBE (most likely achieved from exposure to undiluted product) may cause weakness, headache, and nausea. Extensive and prolonged contact with skin may cause confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma. For Monoethanolamine: LD50 rabbit: 1000 mg/m3 Skin irritant. Prolonged or repeated contact as with clothing wet with material may cause dermatitis. Symptoms include redness, edema, drying, and cracking.

INGESTION:

May cause weakness, confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma. Product may also be corrosive to the digestive system tissue. For Monoethanolamine: LD50 rat: 1720 mg/m3

INHALATION:

Exposure to vapor may cause irritation of the eyes, nose, and respiratory tract. May cause nausea. May cause headaches.

SUBCHRONIC:

All components of this product are listed on the U. S. TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory or exemption has been granted in accordance with 40 CFR 723.50.

CHRONIC/CARCINOGENICITY:

Not classified as a carcinogen.

TERATOLOGY:

Ethylene glycol, CAS # 107-21-1, is a reproductive and developmental toxicant when administered at high doses in experimental animals.

REPRODUCTION:

May cause toxicity to reproduction following repeated doses at generally high exposure concentrations based on animal test data. Selective reproductive toxicant to mice, but not rats. In mice reproductive effects were observed at dose levels higher than those causing developmental toxicity in mice or renal toxicity in rats.

MUTAGENICITY:

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Not mutagenic.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

In air, the photodegradation half-life of EGBE ranges from 16-27.5 hours. Does not undergo hydrolysis. Highly mobile in soil. In water, the volatilization half-life of EGBE from a model river and lake is estimated to be 25 days and 185 days, respectively. The estimated half-life in ground water ranges from 14 days to 8 weeks. In soil, the estimated half-life of EGBE ranges from 7 days to 4 weeks.

This material is expected to be readily biodegradable.

Low potential for bioaccumulation. BCF = 3.0 (estimated.) Monoethanolamine:

Toxicity to fish: 96 hr. LC 50 Fathead minnow: 125-2,070 mg/m3

Toxicity to daphnia and other aquatic invertebrates: LC 50 Water flea: 33.00-93.00 mg/L.

Information is based on data on the components and the ecotoxicology of similar products.

CHEMICAL FATE INFORMATION:

There is no data available on the product. Not classified as a marine pollutant.

13. DISPOSAL CONSIDERATIONS

Dispose of according to current and applicable Local, State and Federal Laws and Regulations by a licensed disposal agent.

Dispose empty containers in accordance with applicable regulations.

14. TRANSPORT INFORMATION (Not meant to be all inclusive)

UN2491, ETHANOLAMINE SOLUTION, N.O.S., 8, III, (CONTAINS MONOETHANOLAMINE)
LIMITED QUANTITY UNDER 1.3 GALLONS.

15. REGULATORY INFORMATION: (Not meant to be all inclusive - selected regulations represent

U.S. FEDERAL REGULATIONS:

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 29 CFR 1910.1200 There is no calculable reportable quantity for this product.

OSHA:

HAZCOM STANDARD

CERCLA: SARA HAZARD CATEGORY:

Acute and chronic health hazard. Fire hazard. One or more raw materials in this product may have a delayed health hazard.

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SECTION 313:

This product contains 2-Butoxyethanol and Ethylene glycol, which are reportable under SARA Title III, Section 313 and 40 CFR 372. If applicable, materials are listed in Section II.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:

Class E: Corrosive Liquid

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):

No Information Available.

EINECS:

Positive listing.

STATE REGULATIONS:

2-Butoxyethanol and Ethylene glycol are regulated by California, Massachusetts, and Pennsylvania's Right-to-Know laws.

VOLATILE ORGANIC COMPOUNDS:

NO INFORMATION AVAILABLE.

16. OTHER INFORMATION

SDS Status:

Compliant with OSHA's new GHS safety data sheet (SDS).

Information in this Safety Data Sheet (SDS) is based on sources other than direct test data and is given in good faith. No warranty is expressed or implied. We believe that the information is current as of the date of this SDS. The use of this information, the conditions, the methods of handling, storage, use and disposal of the product are not within the control of Daycon Products Company, Inc., therefore it is the user's responsibility and obligation to determine the conditions of the safe use of this product and to ensure that its activities comply with all laws and regulations.