

SAFETY DATA SHEET

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

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

HMIS CODES H F R P
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTED BY: NEW DAWN MANUFACTURING COMPANY
 16001 TRADE ZONE AVE.
 UPPER MARLBORO, MD 20774

Recommended Use: Heavy build-up floor finish remover/stripper.

2. HAZARDS IDENTIFICATION

DANGER. CORROSIVE. Causes severe skin burns and eye damage. Causes chemical burns to eyes, skin, respiratory and digestive tracts. Harmful if absorbed through the skin. Harmful by inhalation or ingestion and in contact with the skin. Long-term exposure may cause kidney and/or liver damage. Ethylene glycol monobutyl ether (also known as 2-butoxyethanol) is a possible teratogen. Combustible liquid and vapor. Contains an ingredient that may affect the Central Nervous System (CNS), causing dizziness, headache, or nausea.

Hazard Classification Skin & Eyes:	Cat. 1 Corrosive
Acute Toxicity	Category 4
Aspiration	Category 1
STOT,LT	Category 3



SIGNAL WORD: DANGER

HAZARD STATEMENTS:

H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters the airways.
 H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 H373 May cause damage to kidney and/or liver through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:

P102 Keep out of reach of children.
 P103 Read label before use.
 P261 Avoid breathing mist, vapours, spray.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves, protective clothing, eye protection, face protection.
 P301/330/331/312 IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a poison control center or doctor if you feel unwell.
 P302/353/361/363/313 IF ON SKIN OR HAIR: Rinse skin with water or shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Get medical advice/attention.
 P304/312/340 IF INHALED: Call a poison control center or doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing.

P305/310/351/338 IF IN EYES: Immediately call a poison control center or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents in accordance with local, regional, national regulations.

Potential Health Effects

Eye:

Severe eye irritant. Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.

SKIN:

Causes severe skin burns and eye 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.

Product Code: MSDS291
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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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS#	% by Wt.
Benzyl Alcohol	100-51-6	45-55
Work AIGHA place Environmental Exposure Level (WEEL): 10 ppm, 8 hr. TWA		
2-butoxyethanol	111-76-2	20
ACGIH TWA: 20 ppm		
OSHA TWA: 50 ppm; 240 mg/m3		
Monoethanolamine	141-43-5	15-25
ACGIH TWA 3 ppm, STEL 6 ppm		
NIOSH REL: 3 ppm, 8 mg/m3		
NIOSH STEL: 6 ppm, 15 mg/m3		
OSHA Z1 PEL: 3 ppm, 6 mg/m3		
Nonionic Surfactant Blend	9016-45-0	<6
* 1-Methyl-2-pyrrolidinone	872-50-4	1-3
* Solvent Naphtha (Petroleum), Medium Aliphatic	64742-88-7	2
ACGIH TWA: 100 ppm		
OSHA Z1 PEL: 500 ppm, 2900 mg/m3		
OSHA Z1A TWA: 100 ppm, 525 mg/m3		

4. FIRST AID MEASURES

Product Code: MSDS291
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EYES:

IF IN EYES: Immediately call a poison control center or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SKIN:

IF ON SKIN OR HAIR: Rinse skin with water or shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Get medical advice/attention..

INGESTION:

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a poison control center or doctor if you feel unwell. Do not give anything by mouth to an unconscious person.

INHALATION:

IF INHALED: Call a poison control center or doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing.

NOTE TO PHYSICIANS:

In vitro results with human red blood cells suggest that humans are more resistant to the hemolytic effects of 2-butoxyethanol than laboratory test animals such as mice, rats, and rabbits. These results suggest that hemolysis and secondary effects observed in laboratory animals are unlikely to occur in humans except in extreme cases when exposure is severe and/or prolonged. Indicators for treatment and observation include metabolic acidosis, urinary excretion of 2-butoxy acetic acid (BAA), hemolysis, or hematurial. The material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Alcohol causes central nervous system depression. Dermatitis may result from prolonged or repeated exposure. Potential for chemical pneumonitis. Consider: gastric lavage with protected airway, administration of activated charcoal.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: N/A Method: N/A
Greater than 200F. Not flammable.

FLAMMABLE LIMITS:

Lower flammable limit: N/A
Upper flammable limit: N/A

AUTOIGNITION TEMPERATURE:

Not Applicable. 230-316 C/446-600 F

Product Code: MSDS291
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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: Clear to slightly 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:

Product Code: MSDS291
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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 contents in accordance with local, regional, national regulations. Dispose empty containers in accordance with applicable regulations. Rinse and recycle containers if available. Dispose of rinse preferably by use.

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 New Dawn Manufacturing Company, 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.