

Product Code:       MSDS029  
Product Name:       G-FORCE FLOOR FINISH STRIPPER  
                      CODES: GFORCE55GAL, GFORCE5GAL, 218723

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

HMIS CODES H F R P  
                  3 0 1 X

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### DISTRIBUTED BY:

16001 TRADE ZONE AVE.  
UPPER MARLBORO, MD 20774

## 2. HAZARDS IDENTIFICATION

DANGER. Causes severe skin burns and eye damage. Harmful if inhaled. May cause damage to organs through prolonged or repeated contact. Harmful if swallowed, in contact with skin or if inhaled. CORROSIVE. A solvent used in this product caused liver tumors and kidney effects in test animals. The relevance of these findings to humans is unknown. Reproduct and developmental effects were present in test animals - the relevance of these findings in humans is unknown.

**Hazard Classification: Skin and Eye Category 1: Corrosive**  
**Acute Toxicity Category 4**  
**Asiration Category 1**

### Potential Health Effects

#### EYE:

Causes severe skin burns and eye damage.

#### SKIN:

Causes severe skin burns and eye damage.

#### INGESTION:

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. May be harmful if swallowed and enters airways.

#### INHALATION:

Prolonged inhalation may result in respiratory irritation. Under normal conditions, using adequate ventilation no problems are expected. May be harmful if inhaled. May cause respiratory irritation.

### CHRONIC (CANCER) INFORMATION:

Not listed by IARC or NTP as a carcinogen. Long term exposure via inhalation of concentrations of 2-butoxyethanol up to 125 ppm caused an increase of liver tumors in male mice. A slight increase in adrenal tumors was observed in female rats. The NTP has determined that 2-butoxyethanol displays some evidence of carcinogenicity in female rats. The IARC has evaluated the material as an IARC Group 3 not classified as to carcinogenicity in humans, based on limited data in animals and inadequate data in humans. Methyl Pyrrolidinone caused liver tumors and kidney effects in test animals. The relevance of these findings to humans is unknown. Reproduction and developmental effects were present in test animals - the relevance of these findings in humans is unknown.



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**TERATOLOGY (BIRTH DEFECT) INFORMATION:**

Not classified as a teratogen. A raw material in this product has caused birth defects in laboratory animals when ingested in high doses by pregnant animals.

**REPRODUCTION INFORMATION:**

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.
* 2-Butoxyethanol ACGIH TWA 20 ppm; OSHA TWA 50 ppm; 240 MG/CUBIC M	111-76-2	15-25
* Monoethanolamine 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	141-43-5	<5
Sodium Xylene Sulfonate	1300-72-7	Not Regulated
* 1-Methyl-2-pyrrolidinone	872-50-4	<5
Sodium Lauryl Ether Sulfate	68585-34-2	Not Regulated
Sodium Octanesulfonate	5324-84-5	Not Regulated
Tetrasodium ethylenediamine tetraacetate	64-02-8	<1
Ethylene Glycol	107-21-1	<0.5

**4. FIRST AID MEASURES**

**EYES:**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye(s). Call a poison control center or doctor for treatment advice.

**SKIN:**

Immediately flush skin with water while removing contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing before reuse and discard contaminated shoes.

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**INGESTION:**

If swallowed, Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT INDUCE vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. Treat symptomatically. Get medical attention if symptoms continue.

**INHALATION:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIANS:**

The material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

FLASH POINT: N/A                                       Method: N/A  
                  Not Flammable.

**FLAMMABLE LIMITS:**

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

**AUTOIGNITION TEMPERATURE:**

Not Applicable.

**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.

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**6. ACCIDENTAL RELEASE MEASURES**

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**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. If possible, clean up spill area with absorbent material or mop and then flush with plenty of water. Absorb liquid with vermiculite, floor absorbent or other absorbent material.

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**7. HANDLING AND STORAGE**

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**HANDLING:**

None known 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. 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**

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**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. Not normally needed.

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**EYE PROTECTION:**

Chemical splash goggles with side shields recommended. None normally needed.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING POINT:** N/A  
**MELTING POINT:** Not applicable.  
**VAPOR PRESSURE:** NO INFORMATION AVAILABLE.  
**VAPOR DENSITY: (Air=1):** >1  
**SOLUBILITY IN WATER:** Soluble  
**SPECIFIC GRAVITY:** 1.058  
**pH:** 12.8-13.8  
**ODOR:** Strong butyl (2-butoxyethanol) odor.  
**APPEARANCE:** Clear red liquid.

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY (CONDITIONS TO AVOID):**

Stable.

**INCOMPATIBILITY:**

Strong oxidizing agents, strong acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxides of carbon, and sulfur may be emitted if product burns. Oxides of carbon and nitrogen. Sulfur dioxide and oxides of sulfur. Sulfuric acid.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**EYE:**

CORROSIVE!

**SKIN:**

For Monoethanolamine: LD50 rabbit: 1000 mg/m3 Corrosive.

**INGESTION:**

For Monoethanolamine: LD50 rat: 1720 mg/m3

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**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. Long term exposure via inhalation of concentrations of 2-butoxyethanol up to 125 ppm caused an increase of liver tumors in male mice. A slight increase in adrenal tumors was observed in female rats. The NTP has determined that 2-butoxyethanol displays some evidence of carcinogenicity in female rats. The IARC has evaluated the material as an IARC Group 3 not classified as to carcinogenicity in humans, based on limited data in animals and inadequate data in humans. Methyl Pyrrolidinone caused liver tumors and kidney effects in test animals. The relevance of these findings to humans is unknown. Reproduction and developmental effects were present in test animals - the relevance of these findings in humans is unknown.

**TERATOLOGY:**

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

**REPRODUCTION:**

Not expected to effect human reproduction.

**MUTAGENICITY:**

Not mutagenic.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:**

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. If this product becomes a waste, it does not exhibit the properties of ignitability, corrosivity, reactivity or environmentally persistent toxicity.

**CHEMICAL FATE INFORMATION:**

Readily biodegradable.

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**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.

**SECTION 313:**

Not Regulated.

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS:**

Class E: Corrosive Liquid

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):**

No Information Available.

**EINECS:**

Positive listing.

**STATE REGULATIONS:**

Regulated by California, Massachusetts, and Pennsylvania's Right-to-Know laws.

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**VOLATILE ORGANIC COMPOUNDS:**

NO INFORMATION AVAILABLE.

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**16. OTHER INFORMATION**

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**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 the manufacturer and distributor, 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.