

Product Code: MSDS029
Product Name: SPECTRA 7 FLOOR FINISH STRIPPER
 CODES: SPEC7TOTE, 622557

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:
 DAYCON PRODUCTS COMPANY, INC.
 16001 TRADE ZONE AVE.
 UPPER MARLBORO, MD 20774

2. HAZARDS IDENTIFICATION

CORROSIVE. Causes chemical burns to eyes, skin, respiratory and digestive tracts. Harmful if absorbed through the skin. Corrosive to the skin, eyes, and digestive system. 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.

Potential Health Effects

EYE:

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

SKIN:

Skin irritant. Corrosive to the skin. 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.

INGESTION:

This product if swallowed, can cause severe burns and tissue perforation. Low to moderately toxic. May cause headache, dizziness and gastrointestinal distress. Causes rapid damage to red blood cells and subsequent anemia. Repeated exposure may cause liver and kidney damage. 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.

INHALATION:

Harmful if inhaled, dependent on the extent of exposure. Under normal conditions, using adequate ventilation no problems are expected. 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. Corrosive. Causes burns to the respiratory tract.

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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. 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. Does not harm reproductive cells.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS#	% by Wt.

* 2-butoxyethanol	111-76-2	19
ACGIH TWA: 20 ppm		
OSHA TWA: 50 ppm; 240 mg/m3		
Sodium Hydroxide	1310-73-2	Not Regulated
OSHA PEL: 2 mg/m3		
ACGIH ceiling: 2 mg/m3		
Monoethanolamine	141-43-5	Not Regulated
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		
* 1-Methyl-2-pyrrolidinone	872-50-4	3
Ethanol	64-17-5	.14
ACGIH: 1000 ppm TWA		
NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA		
OSHA - Final PELs: 1000 ppm TWA; 1900 mg/m3 TWA		

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.

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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.

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. Seek immediate medical attention. Do not induce vomiting. Vomiting will cause further damage to mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. If possible, do not leave the individual unattended.

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:

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. Indictors 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 agains possible oral toxicity when deciding whether to induce vomiting. The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: N/A **Method: N/A**
NO INFORMATION AVAILABLE.

FLAMMABLE LIMITS:

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

AUTOIGNITION TEMPERATURE:

Not Applicable. No Information Available.

HAZARDOUS COMBUSTION PRODUCTS:

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

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EXTINGUISHING MEDIA:

Use extinguishing method appropriate for the surrounding fire, Dry Chemical, Carbon Dioxide, Foam or Water. 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.

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:

Concentrate is corrosive to all body tissues. 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:

Take the usual chemicals handling precautions. Avoid contact with eyes, skin and clothing. Wear appropriate protective equipment. Wash thoroughly after handling.
Do not take internally.
Keep out of reach of children.
Do not contaminate food or water by storage or disposal. Keep containers closed when not in use. Store in original containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended limits. Emergency showers and eyewash facilities should be in close proximity. Use local and general exhaust ventilation to effectively remove and prevent buildup of mist/vapors/fumes generated from handling this product.

RESPIRATORY PROTECTION:

If vapors are present, use NIOSH approved respirator or self contained breathing apparatus.

SKIN PROTECTION:

Impervious Such As Neoprene or nitrile. 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: 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: 11.8-13.5 (as is)
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. Acids, flammable liquids, halogenated compounds. Prolonged contact with brass, aluminum, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.

HAZARDOUS DECOMPOSITION PRODUCTS:

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

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HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE:

EGBE is irritating to the eyes. CORROSIVE!

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. Long term contact to the skin with the formulated product may be corrosive. For Monoethanolamine: LD50 rabbit: 1000 mg/m3

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 Corrosive.

INHALATION:

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

SUBCHRONIC:

All components of this product are listed on the U. S. 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. Not a teratogen.

REPRODUCTION:

Not expected to effect human 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.

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In mice reproductive effects were observed at dose levels higher than those causing developmental toxicity in mice or renal toxicity in rats.

MUTAGENICITY:

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. 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. Toxic to aquatic organisms.

CHEMICAL FATE INFORMATION:

There is no data available on the product. This material will not bioaccumulate. Material will disassociate into ionic form in the aquatic environment.

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)

UN3266, CORROSIVE, LIQUID, BASIC, INORGANIC, 8, III

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

U.S. FEDERAL REGULATIONS:

OSHA 29 CFR 1910.1200

OSHA:

HAZCOM STANDARD

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CERCLA: SARA HAZARD CATEGORY:

Acute and chronic health hazard. Fire hazard. Acute health hazard.

SECTION 313:

This product contains 2-Butoxyethanol and Ethylene glycol, which are reportable under SARA Title III, Section 313 and 40 CFR 372.

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

MSDS Status:

Compliant with OSHA's new GHS safety data sheet.

Information in this Material Safety Data Sheet 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 Material Safety Data Sheet. The use of this information, the conditions, the methods of handling, storage, use and disposal of the product are not within the control of PROCESS RESEARCH PRODUCTS, 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.