

MATERIAL SAFETY DATA SHEET: Attack

LAST REVISION DATE: 11/27/06

Sold By: NEVCO

P.O. Box 3884

Idaho Falls, ID 83403

Phone: (208) 569-3519

GENERAL INFORMATION

PRODUCT NAME: Attack
PRODUCT TYPE: Non-ammoniated, high performance stripper
PRECAUTIONS: Corrosive. Do not get in eyes, on skin or clothing.
Keep container sealed when not in use. Keep out of reach of children.

FLAMMABILITY: 2

REACTIVITY: 0

HEALTH: 2

NFPA HAZARD RATINGS

4-EXTREME 3-HIGH 2-MODERATE

1-SLIGHT 0-INSIGNIFICANT



HAZARDOUS INGREDIENTS

INGREDIENT: Monoethanolamine

CAS#: 141-43-5

%: 5-10

OSHA PEL: 3 ppm (TWA)

ACGIH TLV: 6 ppm (STEL)

LD 50 SPECIES & ROUTE: 1.2 g/kg rat, oral

INGREDIENT: *Ethylene Glycol Butyl Ether

CAS#: 111-76-2

%: 20-25

OSHA PEL: 50 ppm (TWA)

ACGIH TLV: 20 ppm (STEL)

LD 50 SPECIES & ROUTE: 0.5 g/kg rat, oral

* This chemical is subject to the reporting requirements of Section 313 of SARA Title III.

N/E = Not Established, N/L = Not Listed, N/A = Not Applicable

PHYSICAL/CHEMICAL DATA

APPEARANCE: Clear purple

PHYSICAL STATE: Liquid

pH: 12.2 ± 0.5

BOILING POINT: 100°C / 212°F

EVAPORATION RATE: Less than water

FREEZING POINT: 0°C / 32°F

VAPOR DENSITY: Greater than air

VOLATILE BY WEIGHT: 92-95%

VAPOR PRESSURE: Less than water

DENSITY: 8.3 lb per gal @ 68°F

1.00 kg per liter @ 20°C

SOLUBILITY IN WATER: Miscible

FIRE AND EXPLOSION DATA

FLASH POINT: 150°F, 66°C ASTM method D56

EXPLOSIVE LIMITS: LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Water spray, CO₂, dry chemical, alcohol-type or universal type foams

SPECIAL FIRE FIGHTING PROCEDURES: Do not spray a solid stream of water or foam directly into hot liquid. This may cause frothing. Firefighters should wear NIOSH approved breathing apparatus.

HAZARDOUS COMBUSTIBLE PRODUCTS: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: Materials can splatter above 100°C / 212°F.

REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids and strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and nitrogen oxides

REACTIVITY CONDITIONS: None

HEALTH HAZARD DATA

EYES: May cause severe burns or possible corneal damage. For eye contact, flush with a large amount of water for at least 15 minutes. See a physician immediately.

SKIN: Irritation, reddening or possible damage upon repeated or prolonged contact. For skin contact, wash affected areas with soap and water. Seek medical attention if irritation persists.

INHALATION: Vapor or mist can cause headache, nausea and irritation of the eyes, nose, throat and lungs. For overexposure, move subject to fresh air. Seek medical attention if symptoms persist.

INGESTION: May cause nausea, abdominal discomfort, vomiting, diarrhea. If ingested, give two glasses of water or milk and do not induce vomiting. Remove by endotracheal intervention. Seek medical attention immediately.

CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Main hazard is due to product's severe irritant properties. Treatment should be directed at the control of symptoms and the clinical condition of the patient.

CARCINOGEN: Non-carcinogenic

REPRODUCTIVE EFFECTS: N/E

TERATOGENICITY: N/E

MUTAGENICITY: N/E

THRESHOLD LIMIT VALUE: See Section II.

SPILL, LEAK & DISPOSAL PROCEDURES

SMALL SPILLS: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

Neutralize residue with vinegar, mild acid or large amount of water.

LARGE SPILLS: Keep spectators away. Floors may be slippery; use care to avoid falling. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills and cleaning runoff out of sewers and open bodies of water.

WASTE DISPOSAL: Dispose of as waste material in accordance with local, state, and federal regulations.

SPECIAL PROTECTION

EYE PROTECTION: Chemical splash goggles

(ANSI Z87.1-1989 or approved equivalent)

RESPIRATORY PROTECTION: None required when permissible airborne concentrations are not exceeded. In emergency, use approved positive pressure self-contained breathing device.

VENTILATION: Mechanical local exhaust ventilation at point of contamination release

OTHER PROTECTIVE EQUIPMENT: As required by employer code. Rubber boots and chemical resistant gloves recommended.