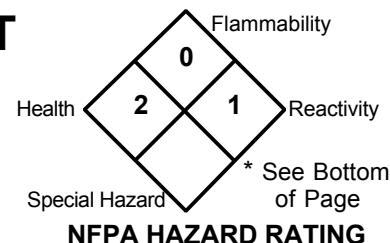


MATERIAL SAFETY DATA SHEET

SURFLEX
SERIES

Manufactured by:
ANDERSON Chemical Company
Litchfield, Minnesota 55355-1041
(320) 693-2477



Product Name: **SurLine 3190**

24-HOUR EMERGENCY PHONE #: 1-800-424-9300 (CHEMTREC)

Revised: 9/27/2000 lmt
Supersedes: 12/9/1998

I. IDENTIFICATION

Chemical Name And Synonyms:

Not Applicable - Mixture.

Chemical Family:

Amine.

DOT Shipping Name

Corrosive liquid, basic, organic, N.O.S.
(Cyclohexylamine, Diethylene Oximide)

DOT Hazard Class & I.D. Number

Corrosive Material UN3263

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II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
Cyclohexylamine	108-91-8	<7	10 ppm	Not Est.	NA	Irritant to skin and eyes, absorbed by skin.
Diethylaminoethanol	100-37-8	<10	10 ppm	Not Est.	NA	Irritant to skin and eyes, absorbed by skin.

**Toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR §372).

NA: Not applicable

III. PHYSICAL DATA

Boiling Point: About 212° F.
Specific Gravity: 0.990
Appearance: Clear, slight yellow.

Form: Liquid.
Solubility In Water: Complete.
Odor: Amine (slightly ammoniacal).

pH, Neat: 12.3

IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint: Not Applicable

Extinguishing Media: Alcohol foam, water spray, water fog, carbon dioxide (CO₂), dry chemical.

Special Fire Fighting Procedures: Although this product is not combustible, if a fire occurs in the near vicinity, good fire-fighting practice dictates the use of self-contained breathing apparatus and other protective gear.

Unusual Fire And Explosion Hazards: If the stock solution container breaks, the solution should be handled with care as it is corrosive. Cool fire exposed containers with water.

V. HEALTH HAZARD DATA

Carcinogenic: The raw materials used in this product are *not* considered to be a carcinogen by ACGIH and OSHA.

Effects Of Over-exposure: May cause skin and eye burns. Breathing vapors and absorption through the skin may cause systemic illness such as nausea, vomiting, and/or headache.

Emergency And First

Aid Procedures: **Eyes:** Immediately flush with water for 15 minutes, raising eyelids for complete rinsing. *Get immediate medical attention.*

Skin: Wash thoroughly with soap and water. *Get medical attention* if irritation persists. Wash all contaminated clothing before reuse. Destroy contaminated shoes.

Inhalation: Remove victim to fresh air, apply artificial respiration if necessary; *obtain medical assistance.*

Ingestion: Rinse mouth with water. Give large quantities of water to dilute. Do NOT induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

* NFPA Degree or Hazard: 4 = Extreme; 3 = High; 2 = Moderate; 1 = Slight; 0 = Insignificant.

Continued On Back

VI. REACTIVITY DATA

Stability - Unstable: ☐

Stable: ☒

Conditions To Avoid: Not applicable.

Incompatibility: Strong oxidizers, strong acids. Mixing with nitrites will form nitrosamines--considered to be cancer causing agents.
(Materials To Avoid)

Hazardous

Decomposition Products: Thermal decomposition may produce nitrogen oxides, carbon monoxide, and/or dioxide, ammonia vapors.
Mixture with nitrites will form nitrosamines which are dangerous cancer causing agents.

VII. SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Eliminate all ignition sources. Wear respiratory protection and body protection. Contain spill, ventilate area, avoid breathing vapor. Avoid personal contact. Remove with inert absorbent material. Use non-sparking tools.

Waste Disposal Method: Dispose in approved chemical disposal area or in a manner which complies with all local, state and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not required for normal use. If mist level is high, wear NIOSH approved respirator.

Ventilation: Adequate mechanical.

Protective Gloves: Synthetic rubber or other non-permeable gloves.

Eye Protection: Safety goggles, face shield.

Protective Clothing: Face mask, eye bath, safety shower, protective apron.

IX. SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing:

Keep away from heat, sparks, flames, avoid any contact with skin and eyes. Wash thoroughly after handling.
cover closed when not in use.

Keep

Other Precautions: Absorption through skin may be harmful.

X. REVISED INFORMATION

MSDS Status: V. HEALTH HAZARD DATE (updated ingestion)