



MANUFACTURING COMPANY

P.O. BOX 2015

ATLANTA, GA 30301

NSI Chemicals Group 1-877-I-BUY-ZEP

SOLD TO:

00448

LEES SUMMIT R-7 SCHOOL DIST  
500 SE TRANSPORT DRIVE  
BUS BARN  
LEES SUMMIT MO 64081

350

A39056

Branch: 350

## MATERIAL SAFETY DATA SHEET AND SAFE HANDLING DISPOSAL INFORMATION

ISSUE DATE: 07/02/01

SUPERSEDES: 03/02/01

DATE PRINTED: 01/04/02

### ZEP LIQUID ICE MELT

Product Number: 1495

Ice Melt Compound

#### SECTION I - EMERGENCY CONTACTS

For Additional Information call  
NSI Chemicals Group 1-877-I-BUY-ZEP

For a Medical Emergency:  
INFOTRAC  
(877) 541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency:  
CHEMTREC  
(800) 424-9300  
In the District of Columbia: (202) 483-7616

#### SECTION II - HAZARDOUS INGREDIENTS

##### DESIGNATIONS

@\*\* ETHYLENE GLYCOL \*\* 1,2-ethandiol; glycol; ethylene  
dihydrate; CAS# 107-21-1; RTECS# KW2975000; OSHA / ACGIH  
CEILING LIMIT- 50 ppm

@ IDENTIFIES CHEMICALS LISTED UNDER SARA-SECTION 313 FOR RELEASE REPORTING.

TLV  
(PPM)  
50

EFFECTS  
(SEE NOTICE)  
TOX IRR

%IN  
PROD.  
> 90

#### SECTION III - HEALTH HAZARD DATA

SPECIAL NOTE: MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under recommended conditions of use (diluted) so long as prescribed safety precautions are practiced.

##### TE EFFECTS OF OVEREXPOSURE:

product contains an ingredient which is toxic when swallowed. Symptoms may be delayed and could include headache, a feeling of drunkenness, nausea, vomiting, visual disturbances, and unconsciousness. Decreased urine output and kidney failure may also occur. Severe poisoning may cause death. Overexposure by inhalation or skin absorption may produce mild central nervous system depression, characterized by headache, dizziness, nausea and vomiting.

##### CHRONIC EFFECTS OF OVEREXPOSURE:

Chronic and subacute exposure to this material predominantly affects the central nervous system. Symptoms may be the same as those for acute overexposure. Chronic inhalation or ingestion can lead to liver, kidney, and/or red blood cell damage.

One of the ingredients in this product has been shown to cause teratogenic effects in laboratory test animals when given orally at very high doses. The relevance of these studies for humans has not been established.

None of the ingredients are listed as carcinogens by IARC, NTP, or OSHA.

EST'D PEL/TLV: Not established PRIMARY ROUTES OF ENTRY: Inh, Skin, Ing.

HMIS CODES: HEALTH 2; FLAM. 1; REACT. 0; PERS. PROTECT. B ; CHRONIC HAZ. YES

##### FIRST AID PROCEDURES:

SKIN: Wash contaminated skin thoroughly with soap or a mild detergent. Apply a skin cream with lanolin. Get medical attention if irritation persists.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Get medical attention at once.

INHALE: If symptoms occur, move affected person to fresh air. If symptoms persist, get medical attention promptly.

INGEST: Do not induce vomiting. Keep head below hips to prevent lung aspiration. Consult a physician regarding induction of vomiting or antidotal treatment.

#### SECTION IV - SPECIAL PROTECTION INFORMATION

PROTECTIVE CLOTHING: Wear neoprene, nitrile, or natural rubber gloves or gloves with proven resistance to the ingredients listed.

PROTECTION: Use of tight-fitting safety glasses or goggles is strongly recommended, especially when wearing contact lenses.

RESPIRATORY PROTECTION: In the unlikely event that exposure levels exceed the PEL/TLV, use an organic vapor respirator.

VENTILATION: Provide local exhaust/ventilation as needed to keep concentration of vapors below exposure limits (PEL/TLV).

**SECTION V - PHYSICAL DATA**

BOILING POINT (F): ~ 380      SPECIFIC GRAVITY: 1.13  
VAPOR PRESSURE(mmHg): ~0.06      EVAPORATION RATE (BUTYL ACETATE=1): <0.1  
VAPOR DENSITY(AIR=1): 2.1      pH(CONCENTRATE): 7.0-8.0  
pH(USE DILUTION OF 1:4): 7.0-8.5  
VOC CONTENT (CONCENTRATE): 97.3% 9.17 lb/gl  
APPEARANCE AND ODOR: A CLEAR, PINK LIQUID WITH ESSENTIALLY NO ODOR.

**SECTION VI - FIRE AND EXPLOSION DATA**

FLASH POINT(F) (METHOD USED): > 200 (TCC)  
FLAMMABLE LIMITS: LEL: N/D UEL: N/D  
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, water, and foam  
SPECIAL FIRE FIGHTING: Wear self-contained positive pres. breathing apparatus.  
UNUSUAL FIRE HAZARDS: None

**SECTION VII - REACTIVITY DATA**

STABILITY: Stable  
INCOMPATIBILITY(AVOID): Strong acids.  
POLYMERIZATION: Will not occur.  
HAZARDOUS DECOMPOSITION: Carbon dioxide and carbon monoxide

**SECTION VIII - SPILL AND DISPOSAL PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
Observe safety procedures in section 4 & 9 during clean-up. Absorb spill on inert absorbent material. Pick up and place residue in a suitable waste container. Wash spill area thoroughly with a detergent solution and rinse well with water.  
WASTE DISPOSAL METHOD:  
Liquid wastes are not permitted in landfills. Product is not considered a hazardous waste under RCRA. Unusable liquid may be absorbed on an inert absorbent material, drummed, and taken to a chemical or industrial landfill. Pretreatment may be required before landfilling. Consult local, state and federal agencies for proper disposal in your area.  
RCRA HAZ. WASTE NOS.: N/A

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN WHEN HANDLING AND STORING:  
Store tightly closed container in a dry area at temps. between 40-120 degrees F.  
Keep product away from skin and eyes.  
Do not breathe spray mists or vapors.  
Clothing or shoes which become contaminated with substance should be removed promptly and not reworn until thoroughly cleaned.  
Keep out of the reach of children.

**SECTION X - REGULATORY INFORMATION**

DOT PROPER SHIPPING NAME: INDUSTRIAL CLEANERS N.O.I. LIQUID KEEP FROM FREEZING  
NOTE: DOT information applies to larger package sizes of affected products. For some products, DOT may require alternate names and labeling in accordance with packaging group requirements.  
DOT HAZARD CLASS: NA      DOT PACKING GROUP:  
DOT I.D. NUMBER:      DOT LABEL/PLACARD:  
EPA TSCA CHEMICAL INVENTORY - ALL INGREDIENTS ARE LISTED  
EPA CWA 40CFR PART 117 SUBSTANCE(RQ IN A SINGLE CONTAINER): NONE