

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Cold Welding Gel
Product No. 74634
1 Liter Package Maximum (metal can)

HEALTH: 2 - HAZARDOUS
FIRE: 3 - Flash Point 1°F
REACTIVITY: 1- Unstable If Heated
PERSONAL PROTECTION: K

Section I

Manufacturer's name:

Natare Corporation
5905 West 74th Street
Indianapolis, IN 46278
USA

Emergency Telephone Number

1 800-535-5053 INFOTRAC

Telephone Number for Information

1 800 336 8828

Date Prepared: **1/11/99**

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))

OSHA PEL

ACGIH TLV

Other Limits
Recommended

% (optional)

PVC Preparation with organic solvents

(Tetrahydrofuran –THF)

200 PPM –8 Hrs

None

CAS NO: 109-99-9

Section III—Physical/Chemical Characteristics

Boiling Point:

AP 151°F

Specific Gravity (H₂O = 1):

.92

Vapor Pressure (mm Hg):

143 mm Hg.

Melting Point:

-108°C

Vapor Density (AIR = 1)

Heavier than Air

Evaporation Rate (Butyl Acetate = 1):

Appreciably volatile

Solubility in Water:

Moderately soluble in water at 20°C

Appearance and Odor

Clear or dense colored gel with string solvent (ether-like) odor

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)

(PMCC) 6°F / (TCC) AP 1°F

Flammable Limits

Flammable in air/Auto ignition 610°F

LEL

AP 2% vol

UEL

AP 11% vol/air

Unusual Fire and Explosion Hazards:

Containers may burst and ignite at temperatures above 130°F.

Releases flammable vapors below normal ambient temperatures. When mixed with air and exposed to ignition source, vapors can burn if open or explode if confined. Vapors may be heavier than air and may travel long distances before igniting and flashing back to vapor source. Diluting with water does not raise flash point above normal ambient temperatures.

Extinguishing Media:

USE FOAM, CARBON DIOXIDE (CO₂), OR DRY CHEMICAL FIRE EXTINGUISHER

Special Fire Fighting Procedures:

USE WATER SPRAY/WATER FOG FOR COOLING

Do not enter fire area with out proper protection. Fight fire from a safe distance or protected location. Heat may build up enough to rupture closed containers. Water may be ineffective in fire fighting due to low flash point. Burning liquid may float on water. Notify authorities if liquid enters sewers/public waters.

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Section V—Reactivity Data

Stability: Stable if stored properly	Unstable	Conditions to Avoid: Heat, sparks, open flame, other ignition sources and oxidizing conditions
	Stable	

Incompatibility (*Materials to Avoid*):

Reacts vigorously with strong oxidizers and acids. Avoid oxidizers and acids.

Hazardous Decomposition or Byproducts

Incomplete combustion may produce carbon monoxide and other toxic gases.

Hazardous Polymerization:

May occur

Section VI—Health Hazard Data

Route(s) of Entry	Inhalation: YES	Skin: YES	Ingestion: YES
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Health Hazards (*Acute and Chronic*)

Inhalation may cause coughing, shortness of breath, dizziness, intoxication and collapse, and may cause irritation to the respiratory tract and to mucous membranes. Inhaling fumes may cause signs of central nervous system depression.

Eye contact will cause eye irritation

Prolonged or repeated contact may cause skin to become dry and cracked

Swallowing this material may result in a health hazard

Repeated or prolonged exposure may cause signs of central nervous system depression and respiratory irritation

Carcinogenicity:

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins

Emergency and First Aid Procedures:

INHALATION: If overcome by exposure, move victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

EYE CONTACT: In case of eye contact, rinse eye immediately with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention.

SKIN CONTACT: Remove contaminated clothing as needed. Wash skin thoroughly with mild soap and water. If sticky, use waterless cleaner first. Avoid repeated contact.

INGESTION: If swallowed, give lukewarm water (pint/liter) if victim is conscious/alert. **DO NOT INDUCE VOMITING.** Risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention immediately.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Extremely flammable liquid. Release causes immediate fire/explosion hazard. Liquid/vapors may ignite. Evacuate/limit access. Equip responders with proper protection. Extinguish all ignition sources. Stop release. Prevent flow to sewer or public waters. Restrict water use for cleanup. If large quantities are spilled, notify fire and environmental authorities. Soak up small spills with inert solids. Use suitable disposal containers. On water, material may be soluble and may float or sink. May biograde. Contain/collect rapidly to minimize dispersion. Disperse residue to reduce aquatic harm. Report as required by regulatory requirements.

Waste Disposal Method

Contaminated product/soil/water may be hazardous waste due to potentially low flash point. Dispose of in accordance with all Federal and local regulations.

Precautions to Be Taken in Handling and Storing

Store only in tightly closed, properly vented containers away from heat, sparks, open flame and strong oxidizing agents. Use only non-sparking tools. Store only in upright position. Carefully vent any internal pressure when opening. Do not use near electrical equipment. Handle empty containers carefully—residue may be flammable. Vapor space above stored/contained liquids may be flammable.

Other Precautions

Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. Remove all ignition sources. Wear recommended personal protection equipment. Observe all precautions for and in confined space.

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Section VIII—Control Measures

Respiratory Protection *(Specify Type)*

If exposure can potentially exceed Personal Exposure Limit (PEL)/Threshold Limit Value (TLV), NIOSH or MSHA approved respiratory protection must be used.

Ventilation

Provide local exhaust or general room ventilation to minimize exposure to vapors.

Eye Protection

Eye protection such as chemical splash goggles and/or face shields must be worn when the possibility exists for eye contact due to splashing or spraying liquid, airborne particles or vapor. Contact lenses should not be worn.

Skin:

Depending upon conditions of use, protective gloves, apron, boots, head and face protection should be worn. This equipment must be thoroughly cleaned after each use.

Work/Hygienic Practices:

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work using plenty of soap and water.

Section IX—General Comments

General comments: *(Specify Type)*

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THIS MATERIAL IS HAZARDOUS – KEEP OUT OF REACH OF CHILDREN – DISPOSE OF PROPERLY