

**MATERIAL SAFETY DATA SHEET (MSDS)****EOTONE INDEX 27**

HAZARD RATING: H-2, F-2, R-0 F

**SECTION I****EMERGENCY TELEPHONE #**

## TRADE NAME

(If none, put chemical)

EOTONE INDEX 27

1-800 424-9300

CHEMICAL NAME  
AND SYNONYMS

NA

MFG'S NAME  
AND TELEPHONE #

FRIGID FLUID CO.

1-708-836-1215

## ADDRESS

11631 W. GRAND AVE.

CHICAGO, IL 60164

**SECTION II - HAZARDOUS INGREDIENTS**

	%	TLV	STEL	PEL	UNITS
Formaldehyde - (CAS #50-00-0):	20-30	0.3	2	0.75	PPM
Methyl alcohol - (CAS #67-56-1) -SKIN:	5-15	200	250	200	PPM
Sodium tetraborate - (CAS #1303-96-4):	<5	NE		NE	
NON-Haz ingredients*:	BAL	NA	NA	NA	

Unidentified ingredients are not considered hazardous under the federal hazard communication standard (29 CFR 1910.1200)

**SECTION III - PHYSICAL DATA**

Boiling Point (*F):	148	Specific Gravity (H20=1):	1.02
Vapor Pressure (MM Hg):	NE	% Volative by volume:	>80
Vapor Density (AIR=1)	NE	pH	NE
Solubility in Water	Complete	Evaporation Rate (EITHER=1)	>1
Appearance and Odor	Reddish liquid, mild odor		

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (method used):	148°F (TCC)	Flammable Limits:	LEL 6%	UEL 73%
Extinguishing Media:	Carbon dioxide, dry chemical, or foam.			
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus and complete protective clothing. Use water spray fog to cool fire - exposed containers.			
Unusual Fire and Explosion Hazards:	Explosion hazard: low to moderate As with any closed container, extreme heat may cause it to explode.			

NA - NOT APPLICABLE

NE - NOT ESTABLISHED

UN - UNAVAILABLE

F HAZARD RATING (NFPA):

H - HEALTH

F - FIRE

R - REACTIVITY

4= EXTREME

3= SERIOUS

2= MODERATE

1= SLIGHT

0= MINIMUM

**SECTION V - HEALTH HAZARD INFORMATION**

Symptoms/Effects of overexposure for formaldehyde containing fluids:

**INGESTION:** Poisonous if swallowed. Causes severe irritation and inflammation of the mouth, throat and stomach followed by severe stomach pains, vomiting, diarrhea, possible loss of consciousness. Blindness or death may occur.

**INHALATION:** Highly irritating to upper respiratory tract, possibly causing inflammation of the lining of the nose, throat and lungs. Extremely irritating vapors can cause bronchopneumonia and edema. Sensitization is also possible.

**SKIN:** Contact causes drying, cracking, scaling with hardening or tanning after repeated exposure. May cause contact allergic dermatitis.

**EYES:** High vapor concentrations or contact causes tearing and severe irritation. Contact may cause severe irritation or irreversable damage.

Formaldehyde is considered a potential carcinogen by OSHA, NTP, and IARC. Chronic overexposure may cause liver and kidney damage.

First Aid:

**EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention.

**SKIN:** Remove contaminated clothing and wash skin with plenty of water. If irritation persists, seek medical attention. Wash clothing before reuse.

**INHALATION:** Move victim to fresh air and restore breathing if necessary. Stay with victim until arrival of EMP.

**INGESTION:** Contact local poison control center or physician IMMEDIATELY!

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**SECTION VI - REACTIVITY DATA**

**Stability:** Normally stable Avoid heat and open flame

**Incompatible Materials:** Strong oxidizers, strong acids, strong alkalies, chlorides.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, formaldehyde.

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**SECTION VII - SPILL OR LEAK PROCEDURES**

**Procedures:** Wear personal protective equipment (see section VIII). Clean up with absorbent material and place in covered container. If local laws permit, small spills can be flushed to a sanitary sewer. Formaldehyde can be neutralized with household ammonia or sodium sulfite.

**Waste Disposal Method:** Dispose of in accordance with local, state, and federal regulations.

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**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**Resiratory:** If TLV is exceeded, or for overexposure, wear a NIOSH-approved respirator for formaldehyde.

**Eyewear:** If potential for eye contact exists, wear chemical goggles.

**Clothing/Gloves:** Wear chemical-resistant gloves and clothing as needed to prevent skin contact.

**Ventilation:** Local exhaust may be necessary under some conditions. To keep vapor levels below pels.

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**SECTION IX - SPECIAL PRECAUTIONS**

Combustible liquid: Store in closed container in cool, well-ventilated area. Section 313 Supplier Notification: Product contains the following chemicals subject to the reporting requirements of SARA (40 CFR 372) Formaldehyde (CAS #50-00-0) (<30%), Methyl alcohol (CAS #67-56-1) (<15%).