

MATERIAL SAFETY DATA SHEET

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)  
 IMPORTANT: Read this MSDS before handling and disposing of this product.  
 Pass this information on to employees, customers, and users of this product.

**I. CHEMICAL PRODUCT & COMPANY IDENTIFICATION / HAZARD RATINGS**

PRODUCT IDENTITY:	<b>DETCO #1 VARNISH</b>	HAZARD RATINGS:
COMPANY IDENTITY:	DETCO MARINE	HEALTH (NFPA) : 2
COMPANY ADDRESS:	7220 FENWICK LANE	HEALTH: (HMIS) : 2
COMPANY CITY:	WESTMINSTER, CA 92683	FLAMMABILITY : 1
COMPANY PHONE:	(714) 895-7002	REACTIVITY: 1
CHEMTREC PHONE:	(800) 424-9300	
PREPARED BY:	Douglas E. Templin 4/1/04	

**II. INGREDIENT & REGULATORY INFORMATION**

All components of this product are on the TSCA list.  
 SARA Title III Section 313 Supplier Notification

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

<u>SARA TITLE III INGREDIENTS</u>	<u>CAS #</u>	<u>WT. %</u>	<u>(REG. SECTION)</u>	<u>RQ (LBS)</u>
*Cyclohexanone	108-94-1	1-10	(311-313)	None
Vinyl resin	25086-48-0	5-15	(311-313)	None
Naphtha alkylate	64741-65-7	10-25	(311-313)	None
Heavy hydrotreated naphtha	64742-48-9	10-25	(311-313)	None
Terpenes	68956-56-9	1-10	(311-313)	None
*Methyl acetate	79-20-9	< 5	(311-313)	None

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

<u>MATERIAL</u>	<u>CAS #</u>	<u>TWA + (OSHA)</u>	<u>TLV (ACGIH)</u>	<u>HAP</u>
Cyclohexanone	108-94-1	25 ppm	25 ppm	Yes
Vinyl resin	25086-48-0	n/e	n/e	No
Naphtha alkylate	64741-65-7	n/e	300 ppm	No
Heavy hydrotreated naphtha	64742-48-9	400 ppm	400 ppm	No
Terpenes	68956-56-9	n/e	n/e	No
Methyl acetate	79-20-9	200 ppm	200 ppm	Yes

(n/e = not established)

CALIFORNIA PROPOSITION 65: This product contains no chemicals known to the State of California to cause cancer or reproductive defects.

DOT SHIPPING NAME: Paint (Flammable Liquid), Class 3, UN1263, Packing Group III

**III. HAZARDS IDENTIFICATION**

<u>Material</u>	<u>CAS #</u>	<u>LD50 (ORAL)</u>	<u>LD50 (SKIN)</u>
		(Rat)	(Rabbit)
Cyclohexanone	108-94-1	1535 mg/kg	948 mg/kg
Vinyl resin	25086-48-0	n/d	n/d

**III. HAZARDS IDENTIFICATION (continued)**

<u>Material</u>	<u>CAS #</u>	<u>LD50 (ORAL)</u> (Rat)	<u>LD50 (SKIN)</u> (Rabbit)
Naphtha alkylate	64741-65-7	n/d	n/d
Heavy hydrotreated Naphtha	64742-48-9	n/d	n/d
Terpenes	68956-56-9	n/d	n/d
Methyl acetate	79-20-9	n/d	n/d

(n/d = not determined)

**EYE & SKIN CONTACT:**

Primary irritation to skin, defatting, dermatitis.  
Absorption through skin increases exposure.  
Primary irritation to eyes, redness, tearing, blurred vision.  
Liquid can cause eye irritation. Wash thoroughly after handling.

**SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED****CONDITIONS AGGRAVATED:**

Chronic overexposure can cause damage to kidneys, blood, nerves, liver and lungs.  
Persons with severe skin, liver or kidney problems should avoid use.

**CHRONIC HAZARDS:**

Animals exposed to 3800 ppm of cyclohexanone showed signs of CNS depression, lacrimation, salivation, depression of body temperature and heart rate and corneal opacity.  
This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH.

**INHALATION:**

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High vapor concentration may result in narcosis (CNS depression) or unconsciousness.

**SWALLOWING:**

Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration can cause chemical pneumonitis, which can be fatal.

**IV. FIRST AID MEASURES PROCEDURES****EYE CONTACT:**

Flush with plenty of water for 15 minutes and get medical attention.

**SKIN CONTACT:**

In case of contact with skin, immediately remove contaminated clothing.  
Wash thoroughly with soap and water. Wash contaminated clothing before reuse.  
(Discard contaminated shoes.)

**INHALATION:**

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. CALL A PHYSICIAN immediately!

**SWALLOWING:**

If swallowed, CALL A PHYSICIAN IMMEDIATELY! DO NOT induce vomiting. Have patient lie down and keep warm. Vomiting may lead to pneumonitis, which may be fatal.

**V. FIRE FIGHTING MEASURES**

AUTO IGNITION TEMPERATURE: 500°F  
LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.2  
FLASH POINT (TEST METHOD): 105°F (COC)  
FLAMMABILITY CLASSIFICATION: Class II

EXTINGUISHING MEDIA: NFPA Class B extinguishers (Carbon Dioxide or foam) for Class II liquid fires.

## V. FIRE FIGHTING MEASURES (continued)

### SPECIAL FIRE FIGHTING PROCEDURES:

- Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers.
- Use fog nozzles if water is used.
- Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves and rubber boots).
- Use NIOSH approved positive-pressure self-contained breathing apparatus.

### UNUSUAL EXPLOSION AND FIRE PROCEDURES:

- FLAMMABLE!!
- Keep container tightly closed.
- Isolate from oxidizers, heat, sparks, electric equipment and open flame.
- Closed containers may explode if exposed to extreme heat.
- Applying to hot surfaces requires special precautions.
- Empty container very hazardous! Continue all label precautions!

## VI. ACCIDENTAL RELEASE MEASURES

### SPILL OR LEAK PROCEDURES:

- Stop spill at source. Dike area and contain. Clean up remainder with absorbent materials.
- Mop up and dispose. Persons without proper protection should be kept from area until cleaned up.

### WASTE DISPOSAL METHOD:

- Recycle or dispose by observing local, state and Federal health, safety and pollution laws.
- If questions exist, contact the appropriate agencies.

## VII. HANDLING AND STORAGE

### HANDLING:

- Isolate from oxidizers, heat, sparks, electric equipment and open flame.
- Use only with adequate ventilation. Avoid breathing of vapor or spray mist.
- Avoid contact with skin and eyes.
- Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.
- Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.
- Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill braze, or weld.
- Empty container very hazardous! Continue all label precautions!

### STORAGE:

- Do not store above 49°C/120°F. Store large amounts in structures made for OSHA Class I B liquids.
- Keep container tightly closed and upright when not in use to prevent leakage.

## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE CONTROLS:

- Ventilate to keep vapors of this material below 30 ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.

### VENTILATION:

- |                      |              |
|----------------------|--------------|
| LOCAL EXHAUST        | : Necessary  |
| MECHANICAL (GENERAL) | : Acceptable |
| SPECIAL              | : None       |
| OTHER                | : None       |

### PERSONAL PROTECTIONS:

- Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.
- Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

**IX. PHYSICAL DATA**

APPEARANCE:	Clear, amber liquid
ODOR:	Solvent
BOILING RANGE:	305 - 405°F
SPECIFIC GRAVITY (Water=1):	0.92
VOC:	409 g/l
NONEXEMPT VOC'S (CVOC):	100.0 Vol. % / 821.0 g/L / 6.838 Lbs/Gal
VAPOR PRESSURE:	n/d
SOLUBILITY IN WATER:	Negligible

**X. REACTIVITY DATA**

STABILITY: Stable

CONDITIONS TO AVOID:

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

MATERIALS TO AVOID:

Isolate from strong oxidizers such as permanganates, chromates & peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION:

Will not occur.