

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
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PRODUCT IDENTITY:	DETCO #1 THINNER	HAZARD RATINGS:
COMPANY IDENTITY:	DETCO MARINE	HEALTH (NFPA) : 2
COMPANY ADDRESS:	7220 FENWICK LANE	HEALTH: (HMIS) : 2
COMPANY CITY:	WESTMINSTER, CA 92683	FLAMMABILITY : 3
COMPANY PHONE:	(714) 895-7002	REACTIVITY : 0
CHEMTREC PHONE:	(800) 424-9300	
PREPARED BY:	Douglas E. Templin 4/1/04	

II. INGREDIENT & REGULATORY INFORMATION
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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>
*Medium Aliphatic Solvent Naphtha	64742-88-7	Not Appl.	(311,312)	None
*2-Butoxyethyl Acetate	112-07-2	11	(313)	None
*n-Butanol	71-36-3	9	(311,312,313,RCRA)	5000
1-Methoxy-2-propanol	107-98-2	Not Appl.	(311,312)	None
*Mixed Xylenes	1330-20-7	6	(311,312,313,RCRA)	100
Cyclohexanone	108-94-1	Not Appl.	(311,313,RCRA)	5000
*Ethylbenzene	100-41-4	< 2	(311,312,313,RCRA)	1000

SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health, Fire

<u>MATERIAL</u>	<u>CAS #</u>	<u>TWA (OSHA)</u>	<u>TLV (ACGIH)</u>	<u>HAP</u>
Medium Aliphatic Solvent Naphtha	64742-88-7	500 ppm	100 ppm	No
2-Butoxyethyl Acetate	112-07-2	5 ppm (S)	25 ppm (S)	No
n-Butanol	71-36-3	100 ppm (S)	50 ppm (S)	No
1-Methoxy-2-propanol	107-98-2	None Known	100 ppm	No
Mixed Xylenes	1330-20-7	100 ppm	100 ppm	Yes
Cyclohexanone	108-94-1	50 ppm (S)	25 ppm (S)	No
Ethylbenzene	100-41-4	100 ppm	100 ppm	Yes

In addition to EPA Hazardous Air Pollutants showing 'Yes' under "HAP" above, using manufacturer's data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%): Benzene, Toluene, Cumene, Glycol Ether EB

<u>MATERIAL</u>	<u>CAS #</u>	<u>CEILING</u>	<u>STEL (OSHA/ACGIH)</u>
Medium Aliphatic Solvent Naphtha	64742-88-7	None Known	0 ppm
n-Butanol	71-36-3	50 ppm	None Known
1-Methoxy-2-propanol	107-98-2	None known	150 ppm
Mixed Xylenes	1330-20-7	None Known	150 ppm
Ethylbenzene	100-41-4	None known	125 ppm

II. INGREDIENT & REGULATORY INFORMATION (continued)

CALIFORNIA PROPOSITION 65: This product contains the following chemical known to the State of California to cause cancer: Benzene

IF > 1474 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" IS EXCEEDED.

DOT SHIPPING NAME: Paint Related Material (Flammable Liquid), Class 3, UN1263, Packing Group II

III. HAZARDS IDENTIFICATION

<u>MATERIAL</u>	<u>CAS #</u>	<u>LOWEST KNOWN LETHAL DOSE DATA</u>
n-Butanol	71-36-3	LOWEST KNOWN LD50 (ORAL) 790.0 mg/kg (Rats)
Cyclohexanone	108-94-1	LOWEST KNOWN LD50 (SKIN) 1000.0 mg/kg (Rabbits)
THRESHOLD LIMIT VALUE:	60 ppm (Evaporated Blend)	

CONTAINS: MEDIUM ALIPHATIC SOLVENT NAPHTHA, 2-BUTOXYETHYL ACETATE, N-BUTANOL, 1-METHOXY-2-PROPANOL, MIXED XYLENES, CYCLOHEXANONE, ETHYLBENZENE

WARNING!
FLAMMABLE!!
ACUTE HAZARDS

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 burns. Wash thoroughly after handling.

INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful.
Breathing vapor can cause irritation.
Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

SWALLOWING:

Harmful or fatal if swallowed.
Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.

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**CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:**

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.
This product may contain less than 9 ppm of benzene. Not considered hazardous in such low concentrations.
Absorption through skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.

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

For eyes, 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.)

IV. FIRST AID MEASURES PROCEDURES (continued)

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: 260°C / 500°F (Lowest Component)
LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.1
FLASH POINT (TEST METHOD): 15°C / 59°F (COC)
FLAMMABILITY CLASSIFICATION: Class I B
EXTINGUISHING MEDIA: NFPA Class B extinguishers (Carbon Dioxide or foam) for Class I B liquid fires.

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:	Liquid, water, white
ODOR:	Ketone
BOILING RANGE:	127 168 197°C / 261 336 388°F
SPECIFIC GRAVITY (Water=1):	.821
DENSITY IN LB/GAL:	6.839
TOTAL VOC'S (TVOC):	821.0 g/L
VAPOR PRESSURE (mm of Hg)@20°C:	3.4
VAPOR DENSITY (air=1):	4.2
WATER ABSORPTION:	Moderate

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.