

# MATERIAL SAFETY DATA SHEET



4700 W. 160TH Street  
P.O. Box 35906  
Cleveland, Ohio 44135  
Emergency Tel No.  
(303) 623-5716 Collect

## OATEY CLEAR PRIMER - NSF

1st Revision Date...02/29/00

Date of Issue.....04/07/00

### Section 1

#### IDENTITY OF MATERIAL

TRADE NAME..... OATEY CLEAR PRIMER - NSF  
PRODUCT NUMBERS... 30750, 30751, 30752, 30753, 30754  
FORMULA..... CH(3)COC(2)H(5)+CH(2)CH(2)CH(2)O  
SYNONYMS..... Methyl Ethyl Ketone Cyclohexanone, Tetrahydrofuran, and Acetone

### SECTION 2

#### HAZARDOUS INGREDIENTS

INGREDIENTS	%	CAS NUMBER	SEC 313
Methyl Ethyl Ketone	70-80%	78-93-3	Yes
Cyclohexanone	15-20%	108-94-1	No
Tetrahydrofuran (See SECTION 6)	10-15%	109-99-9	No
Acetone	<1%	67-64-1	No

### SECTION 3

#### KNOWN HAZARDS UNDER 29 CFR 1910.1200

HAZARDS	YES	NO	HAZARDS	YES	NO
Combustible Liquid		x	Skin Hazard	x	
Flammable Liquid	x		Eye Hazard	x	
Pyrophoric Material		x	Toxic Agent	x	
Explosive Material		x	Highly Toxic Agent		x
Unstable Material		x	Sensitizer		x
Water Reactive Material		x	Kidney Toxin	x	
Oxidizer		x	Reproductive Toxin	x	
Organic Peroxide		x	Blood Toxin		x
Corrosive Material		x	Nervous System Toxin	x	
Compressed Gas		x	Lung Toxin	x	
Irritant	x		Liver Toxin	x	
Carcinogen NTP/IARC/OSHA (see SECTION 6)		x			

### SECTION 4

#### REGULATION

HEMICAL	TLV (TWA)	PEL	STEL	Hazard Action Level
Methyl Ethyl Ketone	200 ppm, 590 mg/cu m	200 ppm, 590 mg/cu m	300 ppm, 885 mg/cu m	N/A
Cyclohexanone	25 ppm, 100 mg/cu m (skin)	50 ppm, 200 mg/cu m	N/A	N/A
Tetrahydrofuran	200 ppm, 590 mg/cu m	200 ppm, 590 mg/cu m	250 ppm, 735 mg/cu m	N/A
Acetone	500 ppm, 1200 mg/cu m	1000 ppm, 2400 mg/cu m	750 ppm, 1800 mg/cu m	N/A

### SECTION 5

#### REGULATED IDENTIFICATION

DOT PROPER SHIPPING NAME..... CONSUMER COMMODITY ORM-D; For gallons: Flammable Liquid, N.O.S., 3, UN1993, PG II  
DOT HAZARD CLASS..... Class 3 Flammable Liquid  
SHIPPING ID NUMBER..... UN 1993 (Gallons Only)  
EPA HAZARDOUS WASTE ID NUMBER... F-003 & F-005  
EPA HAZARD WASTE CLASS..... Ignitable Waste/Toxic Waste

### SECTION 6

#### EFFECTS OF EXPOSURE

ENTRY ROUTE..... INHALE - YES INGEST - YES SKIN - YES EYE - YES  
INHALATION..... May cause irritation of mucous membranes, nose & throat, headache, dizziness, nausea, numbness of the extremities and narcosis in high concentrations. Has caused CNS depression & liver damage in animals, and concentrations of 1000-3000 ppm caused retardation of fetal development in rats.  
TETRAHYDROFURAN WARNING ..... The National Toxicology Program has reported that exposure of mice and rats to Tetrahydrofuran (THF) vapor levels up to 1800 ppm 6 hr/day, 5 days/week for their lifetime caused an increased incidence of kidney tumors in male rats and liver tumor in female mice. The significance of these findings for human health are unclear at this time, and may be related to the "species specific" effects. Elevated incidences of tumors in humans have not been reported for THF. THF is not listed as a carcinogen by NTP, IARC, or OSHA. One THF vendor has recommended a reduction in the "acceptable exposure limit" from 200 ppm to 25 ppm, 8 and 12 hour time weighted average.  
SKIN..... Chronic contact may lead to irritation & dermatitis. Chronic exposure to vapors of high concentration may cause dermatitis. May possibly be absorbed through the skin.  
EYE..... Vapors or direct contact may cause irritation.  
INGESTION..... May be aspirated into the lungs or cause systemic effects described under inhalation.  
TARGET ORGANS... Eye, Skin, Kidney, Lung, Liver, Central Nervous System

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SECTION 7                    EMERGENCY AND FIRST AID PROCEDURES - 303/623-5716 COLLECT  
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SKIN..... If irritation arises, wash thoroughly with soap and water. Seek medical attention if irritation persists.  
EYES..... If fumes cause irritation, move to fresh air and irrigate eyes with water for 15 minutes. If irritation persists, seek medical attention.  
INHALATION... Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Call a poison control center or physician immediately.  
INGESTION.... Drink water and call a poison control center or physician immediately. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

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SECTION 8                    PHYSICAL AND CHEMICAL PROPERTIES  
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NFPA HAZARD SIGNAL..... HEALTH        2            STABILITY    1        FLAMMABILITY    3        SPECIAL        NONE  
BOILING POINT..... 174 Degrees F    /    79 C  
MELTING POINT..... N/A  
VAPOR PRESSURE..... 70 mmHg @ 20 Degrees C  
VAPOR DENSITY (AIR = 1)... 2.5  
VOLATILE COMPONENTS..... 100%  
SOLUBILITY IN WATER..... 28 parts  
PH..... N/A  
SPECIFIC GRAVITY..... 0.807 +/- 0.01  
EVAPORATION RATE..... (BUAC = 1) = 5.5 - 8.0  
APPEARANCE..... Clear Liquid  
ODOR..... Sharp, ether odor.  
WILL DISSOLVE IN..... Water, organic solvents  
MATERIAL IS..... Liquid

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SECTION 9                    FIRE AND EXPLOSION HAZARD DATA  
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FLAMMABILITY..... LEL =1.8            % Volume UEL= 10.0            % Volume  
FLASHPOINT AND METHOD USED..... 0 - 5 Degrees F. / PMCC  
STABILITY..... Stable CONDITIONS TO AVOID: Heat, sparks and open flame. HAZARDOUS DECOMP. PDTS.: Carbon monoxide / carbon dioxide.  
HAZARDOUS POLYMERIZATION..... Will Not Occur. CONDITIONS TO AVOID: none  
INCOMPATIBILITY/MAT. TO AVOID..... Acids, oxidizing materials, alkalis, chlorinated inorganics (potassium, calcium and sodium hypochlorite), copper or copper alloys.  
SPECIAL FIRE FIGHTING PROCEDURE... FOR SMALL FIRES: Use dry chemical, CO2, water or foam extinguisher. FOR LARGE FIRES: Evacuate area and call Fire Department immediately.

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SECTION 10                    SPILL AND DISPOSAL INFORMATION  
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SPILL OR LEAK PROCEDURES... Ventilate area, stop leak if it can be done without risk. Take up with sand, earth, or other non-combustible absorbant.  
WASTE DISPOSAL..... Dispose of according to local, state, and Federal regulations.

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SECTION 11                    SAFE USAGE DATA  
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PROTECTIVE EQUIPMENT TYPES... EYES: Safety glasses with side shields. RESPIRATORY: NIOSH-approved canister respirator in absence of adequate ventilation. GLOVES: Rubber Gloves OTHER: Eye wash and safety shower should be available.  
VENTILATION..... LOCAL EXHAUST: Open doors & windows. Exhaust ventilation capable of maintaining emissions at the point of use below PEL. If used in enclosed area, use exhaust fans. Exhaust fans should be explosion-proof or set up in a wa that explosive concentrations of solvent vapors are not exposed to electrical fixtures or hot surfaces.  
PRECAUTIONS..... HANDLING & STORAGE: Keep away from heat, sparks and flames; store in cool, dry place. OTHER: Containers, even empties will retain residue and vapors.

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SECTION 12                    MANUFACTURER OR SUPPLIER DATA  
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FIRM NAME & MAILING ADDRESS... OATEY CO., 4700 West 160th Street, P.O. Box 39506 Cleveland, Ohio 44135  
OATEY PHONE NUMBER..... (216) 267-7100  
EMERGENCY PHONE NUMBER:..... For Emergency First Aid Call (303) 623-5716 COLLECT For chemical transportation emergencies ONLY, call Chemtrec at 1-800-424-9300

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SECTION 13                    DISCLAIMER  
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