

MATERIAL SAFETY DATA SHEET



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

OATEY CLEANER

Last Revision Date...06/21/93

Date of Issue.....05/18/94

Section 1

IDENTITY OF MATERIAL

TRADE NAME..... CLEANER - 005 OATEY CLEANER
PRODUCT NUMBERS... 30779-4 oz., 30782-8 oz., 30795-16 oz., 30805-32 oz., 30766 Gal.
FORMULA..... CH(3)COC(2)H(5)+CH(3)COCH(3)
CHEMICAL FAMILY... Ketones
SYNONYMS..... Methyl Ethyl Ketone and Acetone

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENTS	%	CAS NUMBER	SEC 313
Methyl Ethyl Ketone	85-95%	78-93-3	Yes
Acetone	1-10%	67-64-1	Yes

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		x			

SECTION 4

REGULATION

CA	AL	TLV (TWA)	PEL (Transitional Limits)	STEL	Hazard Action Level
Acetone		750 ppm, 1800 mg/cu m	1000 ppm, 2400 mg/cu m	1000 ppm, 2400 mg/cu	N/A
Methyl Ethyl Ketone		200 ppm, 590 mg/cu m	200 ppm, 590 mg/cu m	300 ppm, 885 mg/cu m	N/A

SECTION 5

REGULATED IDENTIFICATION

DOT PROPER SHIPPING NAME..... CONSUMER COMMODITY ORM-D (For Gallons: Cleaner, flammable liquid N.O.S. contains methyl ethyl ketone, acetone UN 1993) 3, UN 1993 PG II, Cleaner - 005
DOT HAZARD CLASS..... Flammable Liquid
SHIPPING ID NUMBER..... UN 1993
EPA HAZARDOUS WASTE ID NUMBER... F-005 & U-002
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.
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, Lung, Central Nervous System

(Continued on reverse side)

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SECTION 7 EMERGENCY AND FIRST AID PROCEDURES - 303/623-5716 COLLECT

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. If eye is struck with wire, 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.

SECTION 8 PHYSICAL AND CHEMICAL PROPERTIES

NFPA HAZARD SIGNAL..... HEALTH 1 STABILITY 0 FLAMMABILITY 3 SPECIAL NONE
BOILING POINT..... 133 Degrees F / 56 C
MELTING POINT..... N/A
VAPOR PRESSURE..... 186 mmHg @ 20 Degrees psi
VAPOR DENSITY (AIR = 1)... 2.0
VOLATILE COMPONENTS..... 100%
SOLUBILITY IN WATER..... 27.1% wt. @ 20 degrees C
PH..... N/A
SPECIFIC GRAVITY..... 0.793
EVAPORATION RATE..... (BUAC = 1) = 7.7
APPEARANCE..... Colorless Liquid
ODOR..... Sharp, penetrating odor.
WILL DISSOLVE IN..... Water, organic solvents
MATERIAL IS..... Liquid

SECTION 9 FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY..... LEL =2.15 % Volume UEL= 13.0 % Volume
FLASHPOINT AND METHOD USED..... 0 - 3 Degrees F. / PMCC
STABILITY..... Stable CONDITIONS TO AVOID: Heat, sparks and open flame. HAZARDOUS DECOMP. PDTS.: Carbon monoxide/ carbon dioxide/hydrogen chloride/smoke.
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.

SECTION 10 SPILL AND DISPOSAL INFORMATION

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

SECTION 11 SAVE USAGE DATA

PROTECTIVE EQUIPMENT TYPES... EYES: Safety glasses with side shields. RESPIRATORY: NIOSH-approved cannister respirator in absence of adequate ventilation. GLOVES: Rubber Gloves OTHER: Eye wash and safety shower should be available.
VENTILATION..... GENERAL MECHANICAL: Exhaust ventilation capable of maintaining emissions at the point of use below PEL. LOCAL EXHAUST: Open doors & windows. If used in enclosed area, use exhaust fans.
PRECAUTIONS..... HANDLING & STORAGE: Keep away from heat, sparks and flames; store in cool, dry place. OTHER: Containers, even empties will retain residue and vapors.

SECTION 12 MANUFACTURER OR SUPPLIER DATA

FIRM NAME & MAILING ADDRESS... OATEY COMPANY 4700 West 160th Street P.O. Box 35906 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

SECTION 13 DISCLAIMER

The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, Oatey cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.