

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:
Pro Lock Cleaner/Primer Towelette

Product Number: 497 L

Manufacturer:
Federal Mogul Corporation
Sealing Systems
7450 North McCormick Blvd.
Skokie, IL 60076

Phone: (847)674-7700
Emergency Phone: 1-800-535-5053 (Infotrac)

SECTION 2: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient	CAS No.:	OSHA PEL	ACGIH TLV
Heptane	142-82-5	400 ppm 500 ppm (STEL)	500 ppm
Methylcyclohexane	108-87-2	500 ppm	400 ppm

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

White towelette soaked with flammable liquid that has a characteristic solvent odor. May be ignited by heat, sparks, and flames. Repeated contact with skin may cause dryness and redness. Over-exposure by inhalation is not expected under normal working conditions; however prolonged inhalation or inhalation of concentrated vapors may cause respiratory irritation have a narcotic effect.

POTENTIAL HEALTH EFFECTS:

Inhalation: Inhalation is not expected during normal industrial use at room processing temperatures due to small quantities present in towelette. High concentrations may cause central nervous system (CNS) depression with lightheadedness, drowsiness, headache and dizziness. Intentional concentration and inhalation of fumes can be harmful or fatal.

Skin: May cause mild skin irritation. Prolonged or repeated contact may tend to dry and defat the skin causing irritation and redness.

Eye: May cause tearing and redness. Primarily a mechanical irritant.

Ingestion: Not expected. May cause nausea and vomiting or choking.

Chronic: None known. Peripheral neuropathy has been noted following repeated solvent abuse; however, these effects cannot be linked solely to n-heptane.

Carcinogenicity: None of the ingredients contained in this mixture are presently classified as either possible, probable, or confirmed carcinogens in humans.

IARC: No

NTP: No

OSHA: No

Medical Conditions Aggravated by Exposure: None known. Individuals with pre-existing skin and respiratory conditions may be more susceptible to effects of overexposure.

	HEALTH	FLAMMABILITY	INSTABILITY/ PHYSICAL HAZARD
NFPA Rating:	1	3	0
HMIS Rating:	1	3	0

SECTION 4: FIRST AID MEASURES

Ingestion: If swallowed, do not induce vomiting. Give 4-8 ounces of water or milk and call a poison control center or emergency medical facility immediately. Never give anything by mouth to an individual that is or could rapidly become unconscious.

Inhalation: Not expected. If prolonged or intentional inhalation occurs, remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Get immediate medical attention.

Eye Contact: Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.

Skin Contact: Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists, get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flashpoint: 25 °F (Setaflash Closed Cup) **LEL:** 1% **UEL:** 6.7% **Autoignition Temperature:** No Data

Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray.

Unusual Fire and Explosion Hazards: Towelette soaked with flammable liquid. May be ignited by heat, spark, and flames. Fire may generate irritating or toxic gases.

Special Fire Fighting Procedures: Fire will be small due to size. For larger industrial fires involving storage areas, firefighter should wear a NIOSH approved self-contained breathing apparatus operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove sources of ignition and place towelette into loosely covered container. Remove to appropriate waste area. Receptacles that contain disposed towelettes may present a fire hazard. Keep away from heat, sparks, and flames.

SECTION 7: HANDLING AND STORAGE

Store in cool, dry, well-ventilated area away from heat, flames, and incompatible materials. Post "NO SMOKING" signs in storage and use areas. There should be no source for accidental ignition in areas where this product is used or stored. Keep away from children.

Do not eat, drink, or smoke in work and storage areas. Do not store food, cosmetics, cigarettes or other personal items in storage and use areas. Disposed towelettes may be flammable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required under normal working conditions. If ventilation is insufficient to control air contaminants, select NIOSH approved respiratory protection according to the magnitude of exposure. Select and maintain respirators in accordance with 29 CFR 1910.134.

Ventilation Protection: General ventilation. Local exhaust recommended for confined or poorly ventilated areas.

Skin Protection: Wear clean clothing to cover skin and rubber gloves if prolonged or repeated contact is expected.

Eyes: Protective goggles.

Other: Emergency eyewash stations should be located in close proximity to work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not Applicable	Vapor Pressure:	No Data
Melting Point:	Not Applicable	Vapor Density (air = 1):	> 1
pH:	Not Applicable	% Volatile:	10-30
Specific Gravity:	1.5682	Evaporation Rate:	Slower than butyl acetate
Water Solubility:	Insoluble		
Appearance and Odor:	White towelette with solvent odor		

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Incompatibility (materials/conditions to avoid): Avoid heat, sparks, and flames. Incompatible with strong oxidizers. May be incompatible with acids and bases.

Hazardous Polymerization: Will not occur.

Decomposition Products: Thermal decomposition may produce carbon oxides, and other oxidation products.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation: The ACGIH TLVs for heptane and methylcyclohexane were established to protect against respiratory irritation and narcotic effects. N-heptane affects the central nervous system. The fatal concentration for inhalation has been reported to be 16,000 ppm. Humans that inhaled 1000 ppm of heptane for 6 minutes experienced dizziness. High concentrations of methylcyclohexane have caused narcosis in animals; however, no systemic poisonings have been reported in humans.

Intentional inhalation ("sniffing") of some hydrocarbons can result in sudden death encephalopathy, residual neurological impairment, nephrotoxicity, hepatotoxicity, and other health effects.

Skin: May cause irritation. Repeated contact may have a solvent effect causing dry skin.

Eye: May cause irritation and redness.

Ingestion: Ingestion of hydrocarbons in general does not cause appreciable systemic toxicity as hydrocarbons are poorly absorbed from the gastrointestinal tract.

Subchronic/Chronic: Although chronic neurologic disorders have been noted for hydrocarbons similar to n-heptane, there are no reports of delayed neurotoxicity in humans or animals directly attributable to n-heptane. Repeated inhalation of high concentrations of methylcyclohexane has caused vascular, renal, and hepatic degeneration in animals.

SECTION 12: ECOLOGICAL INFORMATION

The 24 hour LD₅₀ for n-heptane in the goldfish (*Carassius auratus*) was 4 mg/L (ASTM D 1345 bioassay). The TLM in the mosquito fish (*Daphnia magna*) was 4924 mg/L (24-96 H).

SECTION 13: DISPOSAL CONSIDERATIONS

Recycle, reclaim, and dispose of in accordance with applicable local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

Proper Shipping Name:	Consumer Commodity, ORM-D
Hazard Class:	Not Applicable
Identification Number:	Not Applicable
Packing Group:	Not Applicable
Shipping Label:	Not Applicable
Additional Marking Requirement:	None

SECTION 15: REGULATORY INFORMATION

California Proposition 65: This product contains trace amounts of benzene, an ingredient known to the State of California to cause cancer and trace amounts of toluene, a chemical known to the State of California to cause birth defects or other reproductive harm.

SARA TITLE III – SECTION 313 SUPPLIER NOTIFICATION:

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and 40 CFR 372.

RCRA HAZARDOUS WASTE CODE: None

CERCLA Hazardous Substances: Does not contain CERCLA Hazardous Substances.

OSHA: OSHA has not developed standards other than PELs specific to this product or its constituents.

U.S. TSCA: All ingredients are listed on the U.S. Toxic Substances Control Act (TSCA) inventory or exempt from listing.

WHMIS Classification: B2 (as heptane), D2B

SECTION 16: OTHER INFORMATION

Abbreviations:

N/A:	Not Applicable
(C):	Ceiling Limit (e.g., concentration that may not be exceeded at any time)
OSHA PELs:	U.S. Occupational Safety and Health Administration Permissible Exposure Limits
ACGIH TLVs:	American Conference of Governmental Industrial Hygienists Threshold Limit Values
NIOSH RELs:	National Institute for Occupational Safety and Health Recommended Exposure Limits
PNOC:	Particulates (Insoluble) Not Otherwise Classified
PNOR:	Particulates Not Otherwise Regulated
STEL:	Short-Term Exposure Limit
Skin:	Chemical can be Absorbed into bloodstream through unbroken skin
ppm:	Parts per million in air (v/v)
mg/m ³ :	milligrams contaminant per cubic meter of air
CAS #:	Chemical Abstract Services Number
IARC:	International Agency for Research on Cancer
NTP:	National Toxicology Program

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