

HMIS RATING	
Health	2
Flammability	4
Reactivity	0

MATERIAL SAFETY DATA SHEET

NFPA 704 RATING	
Health	2
Flammability	4
Reactivity	0
NFPA 30B LEVEL	
3	

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1. PRODUCT IDENTIFICATION

PART NUMBER 80-715
PRODUCT NAME ENGINE DEGREASER
CHEMICAL FAMILY N/A
DOT SHIPPING Consumer Commodity ORM-D

2. HAZARDOUS INGREDIENTS

Specific chemical identity, common names	OSHA PEL	ACGIH TLV	STEL	%
Clay (71011-27-3)	NOT ESTABLISHED			1-10
*Xylene (1330-20-7)	100	100	150	20-30
*Toluene (108-88-3)	100	50 skin	150	1-10
Kerosene (8008-20-6)	400	-	-	20-30
Propane/isobutane/n-Butane (74-98-6)	1000	1000	Asphyxiant	10-20
Water (7732-18-5)	-	-	-	20-30
Non-hazardous	-	-	-	1-10
Proprietary Items	-	-	-	3

Technical grade xylene contains 18-20% ethyl benzene (100-41-4) which has 100ppm PEL, 100ppm TLV, 125ppm STEL, and is subject to the reporting requirements of Section 313 of SARA Title III. Kerosene contains 0.5-1.5% xylene (1330-20-7), 0.5-1.5% Naphthalene (91-20-3), and 0.4-1.2% biphenyl (2-52-4) which are subject to the reporting requirements of Section 313 of SARA Title III. Acceptable ceiling concentration for toluene - 30ppm; max peak above ceiling - 8 hr shift - 500ppm.

All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

3. PHYSICAL DATA

BOILING POINT (RANGE).....	-40°F to 212°F
VAPOR PRESSURE PSIG @ 70°F.....	50
VAPOR DENSITY (Air = 1).....	4.0
SOLUBILITY IN WATER.....	NH
SPECIFIC GRAVITY (H ₂ O = 1).....	0.8
MELTING/FREEZING POINT.....	N/A
EVAPORATION RATE (Butyl Acetate = 1).....	<1
APPEARANCE AND ODOR.....	White / Solvent

4. FIRE AND EXPLOSION DATA

FLASH POINT.....	-142°F TCC
UPPER EXPLOSIVE LIMIT (%).....	9.5
LOWER EXPLOSIVE LIMIT (%).....	1.8
EXTINGUISHING MEDIA.....	Water Fog, Dry Chemical, CO ₂
SPECIAL FIREFIGHTING PROCEDURES.....	Firefighters should wear NIOSH approved positive pressure self-contained breathing apparatus
FIRE AND EXPLOSION HAZARDS.....	Heated cans may burst.
NFPA FLAMMABILITY HAZARD.....	4

5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY..... Skin, Ingestion, Inhalation
HEALTH HAZARDS

(Acute & Chronic)..... May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) to high concentrations of vapor may cause lung, liver or kidney damage. Eye and skin irritant. Aspiration hazard if swallowed. May irritate respiratory tract. Overexposure to toluene may cause nasal and brain damage. May cause cardiac abnormalities. The solvents listed have been reported to affect the central nervous system.

5. HEALTH EFFECTS DATA (Continued)

SIGNS AND SYMPTOMS

OF EXPOSURE..... Inhalation: Difficulty in breathing.
Skin: Redness; Ingestion: Vomiting

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE..... Heart disease; Respiratory disorders.

FIRST AID PROCEDURES

EYES..... Flush with water for at least 15 minutes.
SKIN CONTACT..... Wash with soap and water.
INHALATION..... Remove to fresh air. Give oxygen
INGESTION..... Do not induce vomiting. Keep individual calm. Obtain medical attention.
Never administer adrenalin following overexposure.

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines)..... This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

6. REACTIVITY

STABILITY..... Stable
INCOMPATIBILITIES..... High Temperature, strong oxidizers, reducers.
NFPA REACTIVITY HAZARD..... 0
HAZARDOUS DECOMPOSITION PRODUCTS..... CO₂, water.
HAZARDOUS POLYMERIZATION..... Will not occur
HAZARDOUS POLYMERIZATION CONDITIONS..... None known

7. PRECAUTIONS FOR SAFE HANDLING AND USE

PROTECTIVE EQUIPMENT

REQUIREMENTS..... Wear eye protection. Gloves: none required if spraying. Local exhaust. Ventilation sufficient to maintain vapor concentrations below TLV
WASH REQUIREMENTS..... Wash with soap and water
SPILL OR LEAK PROCEDURES..... Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.
WASTE DISPOSAL METHODS..... Dispose as hazardous waste in accordance with EPA RCRA.
HANDLING & STORAGE..... Keep away from heat, sparks, or open flame. Store at temperatures below 120°F
OTHER PRECAUTIONS..... When spraying more than one half can continuously, or more than one can consecutively, use NIOSH approved respirator.

8. ADDITIONAL INFORMATION

Use self contained breathing apparatus if TLV limits are exceeded. Do not smoke while using. Wash hands after use.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH OTHER PRODUCT(S). SUCH ARE BASED ON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND ARE BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATION CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

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