



MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: No.182 Back Cylinder Cleaner
Chemical names, common names: Complex Hydrocarbon and Water Emulsion
Manufacturer's Name: HURST CHEMICAL COMPANY
Address: 2500 San Fernando Rd. Los Angeles, CA 90065
DOT CLASSIFICATION: Not Regulated.
For Product Information, call : (323) 223-4121
FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

II. HAZARDOUS INGREDIENTS

Chemical Names	CAS Number	Exposure Limits in Air	
		ACGIH (TWA)	OSHA (PEL)
Stoddard Solvent	8052-41-3	100 ppm	100 ppm (TWA)
Aromatic Naphtha	64742-95-6	NOT ESTABLISHED	
Water	7732-18-5	NONE	
Nonionic Surfactant	68412-54-4	NOT ESTABLISHED	

Section IIA - This product contains the following chemicals subject to reporting requirements of SARA 313 and 40 CFR 372.

Listed Ingredients	CAS Number	Weight % Range
1,2,4 Trimethyl Benzene	95-63-6	2.5

III. PHYSICAL PROPERTIES

Vapor density (air = 1): > 1
Solubility in water: N/A
Evaporation rate (Bu Ac = 1): < 1
Appearance and odor: White thick emulsion with hydrocarbon odor
Photochemical Reactivity Rule-102: Non-Photochemically Reactive
Volatile Organic Content (VOC,EPA Method 24): 167 gm/l or 1.4 lb/gal

Specific Gravity: 1.02
Density lb/gal: 8.5
VOC Composite Partial Pressure, mm Hg at 20°C: <1
Boiling Range °F: 212-395
PH= 5.00

IV. FIRE AND EXPLOSION

HAZARD RANKING

HMIS	Health Hazard=1	0=Least	4=Extreme
HAZARD	Flammability=1	1=Slight	
CLASS	Reactivity= 0	2=Moderate	
	Other = Safety Glasses and Gloves	3 = High	

Flash Point °F: > 200° F

Flammable limits in air,volume%: lower: 0.5 upper 10.6
Fire extinguishing materials: No water spray No carbon dioxide No foam
No dry chemical Yes other

Special firefighting procedures: Solvent vapors exposed to open flame can become combustibile under certain conditions; then use foam, dry chemical or CO2 to extinguish

Unusual fire and explosion hazards: Keep work areas free of hot metal surfaces and other sources of ignition.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled:Irritation of nose & throat.

Contact with skin or eyes: This product may be skin & eye irritant, direct contact may cause stinging, tearing & redness of eyes, burning, drying & cracking of the skin.

Absorbed through skin: Skin contact may be harmful, toxic when absorbed through skin.

Swallowed: Ingestion of excessive quantities may cause irritation of the digestive tract, sign of nervous system, depression & kidney damage

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: Irritation of nose, throat & the digestive tract, & mild central nervous system depression.

Chronic: Prolonged or repeated exposure may cause Blood disorders, Liver and Kidney damage.

FIRST AID: EMERGENCY PROCEDURES -

Eye Contact: Move victim away from exposure and into fresh air. For direct contact hold eyelids apart & flush the affected area (s) with clean water. Seek medical attention.

Skin Contact: Remove contaminated clothing. Cleanse affected area (s) thoroughly by washing with mild soap & water. If irritation or redness develops, seek medical attention.

Inhaled: Move victim away from source of exposure and into fresh air. If respiratory symptoms or other symptoms of exposure develop, seek medical attention. If victim is not breathing, artificial respiration should be administered by qualified personnel.

Swallowed: Seek medical attention. This product is slightly toxic by ingestion. If victim is conscious & alert induce vomiting by ingestion of large amounts preferably with syrup of ipecac under direction from a physician or poison center. Do not leave victim unattended.

COMMENTS:- Pre-existing Kidney, Blood, Liver disorders may be aggravated by exposure to this material. This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, & OSHA. Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome). Intentional misuse by deliberately concentrating or inhaling this product may be harmful or fatal.

VI. REACTIVITY DATA

Stability: Stable under ordinary conditions of use & storage.

Incompatibility (materials to avoid): Incompatible with strong acids or bases, oxidizing agents, selected amines & alkalis.

Hazardous Decomposition products (including combustion products): Carbon Monoxide/ Carbon Dioxide.

Hazardous polymerization: Will not occur.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: Stay upwind and away from spill. Keep all sources of ignition & hot metal surfaces away from spill. Keep spill out of drains, sewers, waterways. Use sand or other inert material to dam and contain spill. Reportable Quantity NOT APPLICABLE.

Preparing wastes for disposal: Dispose of product in accordance with Local, County, State, and Federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: Normal shop ventilation is adequate. Floor level ventilation is preferred.

Respiratory Protection: The use of respiratory protection is advised when concentrations exceed the established exposure limits.

Eye Protection: Use Safety glasses where solvent splashes are expected.

Gloves: Prevent repeated or prolonged skin contact with this material by using nitrile gloves.

Other clothing and equipment: It is suggested that a source for clean water be available in the work area for flushing eyes & skin. Impervious clothing should be worn as needed.

Work practices, hygienic practices: Practice personal cleanliness by prompt removal of solvent in contact with skin. Train all employees on special handling procedures prior to working with this product.

OTHER HANDLING AND STORAGE REQUIREMENTS:

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

HURST CHEMICAL COMPANY furnishes Material Safety Data Sheets based upon information from raw material suppliers. This information is provided in compliance with Federal Regulation 29CFR 1910.

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