

# Material Safety Data Sheet

HMIS<sup>®</sup>

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

HEALTH

3

REACTIVITY

0

FLAMMABILITY

3

PERSONAL PROTECTION

A

Identity (As Used on Label and List)

09820

Mechanic's Friend

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## SECTION I

Manufacturer's Name ITW Dymon	Emergency Telephone Number 1-800-535-5053
Address (Number, Street, City, State, and ZIP Code) 805 East Old 56 Highway	Telephone Number for Information 1-913-397-9889
Olathe, Kansas 66061	Date Prepared April 3, 2000
	Signature of Preparer (Optional) Regulatory Dept.

## SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits Recommended	%(Opt.)
Aliphatic hydrocarbons	8052-41-3	500 ppm	100 ppm		15 - 40 %
Propane	74-98-6	1000 ppm	Asphyxiant		7 - 13 %
Petroleum distillate, middle, sweetened	64741-86-2	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	STEL 10 mg/m <sup>3</sup>	10 - 30 %
9-Octadecenoic acid	112-80-1	None	None		1 - 5 %
Isoparaffinic hydrocarbons	68551-17-7	None	None	400 ppm, manu.	15 - 40 %

This product is not known to contain any compound listed and in quantities requiring reporting under SARA Title III Section 313.

TSCA: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

Any substance listed as hazardous by the States of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

## SECTION III Physical/Chemical Characteristics

Boiling Point Concentrate - Initial	315 ° F	Specific Gravity (H <sub>2</sub> O = 1) Concentrate @70 ° F	0.803
Pressure (psig. @ 70 ° F)	35 ± 5	Melting Point	No Data
Vapor Density (AIR = 1)	Greater than one (1)	Evaporation Rate (Butyl Acetate = 1)	No Data
Solubility in Water	Minimal	pH	Not Applicable

### Appearance and Odor -

Clear light amber liquid with a petroleum odor in an aerosol can.

## SECTION IV - Fire and Explosion Hazard Data

USA Flame Projection Test (ASTM D-3065) >18", No flashback; Flammable	Flammable Limits No Data	LEL No Data	UEL No Data
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### Extinguishing Media -

Treat as an oil fire. Use carbon dioxide, dry chemical, foam or fog. Product may float on water and burn.

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**Special Fire Fighting Procedures** - Use water spray to keep containers cool and vapors down. Do not allow runoff to enter sewers or public watercourses. Wear self-contained breathing apparatus in chemical fires.

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**Unusual Fire and Explosion Hazards** -

Aerosol container (pressurized) may burst if heated over 120° F. Flammable contents.

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**SECTION V - Reactivity Data**

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b> - Extreme heat, direct sunlight
	<b>Stable</b>	X	

**Incompatibility (Materials to Avoid) -**

Oxygen, strong oxidizing agents, alkalies, ammonium nitrate, nitrogen oxides, iodine and ammonia.

**Hazardous Decomposition or Byproducts -**

Carbon dioxide, carbon monoxide, aldehydes, sulfur oxides, smoke, soot and various organic oxidation by-products.

<b>Hazardous Polymerization</b>	<b>May Occur</b>		<b>Conditions to Avoid</b> - None known
	<b>Will Not Occur</b>	X	

**SECTION VI - Health Hazard Data**

<b>Route(s) of Entry</b>	<b>Eyes?</b>	<b>Inhalation?</b>	<b>Skin?</b>	<b>Ingestion?</b>
	Yes	Yes	No	Yes

**Health Hazards (Acute and Chronic) -** Danger. Harmful or fatal if swallowed. Contains petroleum distillates. Flammable liquid and vapor. Harmful if inhaled. Causes eye irritation. May cause skin irritation. Aspiration hazard if swallowed. Repeated or prolonged occupational skin exposures may cause dermatitis. May cause central nervous system effects if overexposed to mists or vapors. Repeated or prolonged occupational overexposure to mist or vapors may cause Painter's syndrome.

<b>Carcinogenicity:</b>	<b>NTP?</b>	<b>IARC Monographs?</b>	<b>OSHA Regulated?</b>
None known	No	No	No

**Signs and Symptoms of Exposure -** Redness, tearing or burning in eyes. Redness, drying or cracking skin. Overexposure to vapors may cause nose, throat or respiratory tract irritation or dizziness, drowsiness, fatigue or loss of coordination.

**Medical Conditions Generally Aggravated by Exposure -**

Pre-existing skin disorders may be adversely affected. Follow good chemical hygiene practices to avoid this hazard.

**Emergency and First Aid Procedures:** **Eyes** - Flush with plenty of water for at least 15 minutes lifting eyelids to insure complete removal. Get immediate medical attention. **Ingestion** - Do not induce vomiting. Call a physician or poison control center immediately. **Inhalation** - Get to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration. **Skin** - Wash thoroughly with soap and water. If irritation arises and persists, call a physician.

**SECTION VII - Precautions for Safe Handling and Use**

**Steps to be Taken in Case Material is Released or Spilled -** Caution, slip hazard. Wipe up small spills promptly with a towel or other absorbant material. Clean residues with a safety solvent or suitable detergent. For large spills, isolate traffic and ventilate area. Eliminate all ignition sources. Wear protective gear as necessary. Dike to prevent spread. Pick up with an absorbant material and put in suitable container for proper disposal.

**Waste Disposal Method -** Consult local, state and federal regulations. Do not puncture or incinerate container. Replace cap on empty can, wrap, then discard container if allowed by applicable statutes. Offer for recycling if resources are available.

**Precautions to be Taken in Handling and Storing -**

Do not swallow. Wash thoroughly after handling. Do not use around ignition sources such as heat, sparks, open flame, arc welders, static electricity, etc. Do not smoke while using. Avoid breathing mist or vapors. Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Launder contaminated clothing before reuse.

**Other Precautions -** Follow label directions carefully. Keep out of reach of children. Contents under pressure. Store in a cool (under 120° F) dry location away from heat, sparks, open flame, and direct sunlight. Do not deliberately concentrate and inhale vapors. Direct spray away from face. Replace cap when not in use. Do not puncture or incinerate container.

**SECTION VIII - Control Measures**

**Respiratory Protection (Specify Type) -** Not usually necessary. Use with adequate ventilation. If PELs or TLVs are exceeded (see Section II), use an approved NIOSH\MSHA respirator.

<b>Ventilation</b>	<b>Local Exhaust</b>	Acceptable	<b>Special</b>	None
	<b>Mechanical (General)</b>	Yes	<b>Other</b>	None

**Protective Gloves -**

Only if direct contact is possible.

**Eye Protection -**

Yes, approved goggles or safety glasses (ANSI Z87)

**Other Protective Clothing or Equipment -**

Not usually necessary. If contact is possible, use apron, boots, face shield, gloves, etc. as required.

**Work/Hygienic Practices -**

Normal. Wash thoroughly before eating, drinking, smoking, using restrooms, etc.

WARNING! The use of this product is beyond the control of the manufacturer; therefore, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The user must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE PROPER USE OF THIS PRODUCT. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product shall be found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.