

Material Safety Data Sheet

HMIS®

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

4

PERSONAL PROTECTION

B

Identity (As Used on Label and List)

10520

Dry Moly Lubricant

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.)
Isobutane	75-28-5	800 ppm	800 ppm		10-30%
Propane	74-98-6	1000 ppm	Asphyxiant		1 - 5 %
Acetone	67-64-1	1000 ppm	750 ppm	STEL 1000 ppm	60-100%
*n-Butyl alcohol	71-36-3	100 ppm (skin)	50 ppm (skin)**	**ceiling 50 ppm	< 2
Isopropanol	67-63-0	400 ppm	400 ppm	STEL 500 ppm	> 5

* This product contains n-Butyl alcohol which is listed and may require reporting under SARA Title III Sec. 313 if used over the threshold reporting quantity. This information must be included in all MSDSs that are copied and distributed for this material.

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	132 ° F	Specific Gravity (H O = 1) Concentrate @70 ° F	0.805
Pressure (psig. @ 70 ° F)	40 ± 5	Melting Point	No Data
Vapor Density (AIR = 1)	Greater than one (1)	Evaporation Rate (Butyl Acetate = 1)	No Data
Solubility in Water	Soluble/ miscible	pH	Not applicable

Appearance and Odor -

Opaque gray/green liquid with a sweet pungent odor in an aerosol can.

SECTION IV - Fire and Explosion Hazard Data

USA Flame Projection Test (ASTM D-3065) Greater than 18", flashback; Extremely flammable	Flammable Limits No Data	LEL No Data	UEL No Data
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Extinguishing Media -

Use carbon dioxide, dry chemical, foam or fog.

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.

Unusual Fire and Explosion Hazards - Aerosol container (pressurized) may burst if heated over 120° F. Flammable vapors are heavier than air and may travel to an ignition source and flashback.

SECTION V - Reactivity Data

Stability	Unstable		Conditions to Avoid - Extreme heat, direct sunlight
	Stable	X	

Incompatibility (Materials to Avoid) -

Strong oxidizers such as chlorine, permanganates and dichromates.

Hazardous Decomposition or Byproducts -

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

Hazardous Polymerization	May Occur		Conditions to Avoid - None known
	Will Not Occur	X	

SECTION VI - Health Hazard Data

Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes	Yes

Health Hazards (Acute and Chronic) -

Danger. Extremely flammable. Causes severe eye irritation. Harmful if inhaled or swallowed. May be absorbed through intact skin. Causes skin irritation. Repeated or prolonged contact may cause nervous system effects, kidney or liver damage or dermatitis. Follow good chemical hygiene practices to avoid these hazards.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
None known.	No	No	No

Signs and Symptoms of Exposure -

Irritation of skin, nose or throat. Exposure to high vapor levels may cause headache, nausea, confusion, drowsiness, convulsions or in extreme cases, coma. Swallowing a toxic dose may cause irritation of the throat and digestive tract.

Medical Conditions Generally Aggravated by Exposure -

Pre-existing skin, liver or kidney conditions may be adversely affected. Follow good chemical hygiene practices.

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 (unless instructed to do so by qualified medical personnel). 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. 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 use around ignition sources such as heat, sparks, open flame, static electricity, welding arcs, pilot lights, open electric motors, etc. Do not smoke while using. Do not get in eyes. Wash thoroughly after handling. Do not swallow. Avoid breathing mist or vapors. Use with adequate ventilation. Avoid contact with skin or clothing. Launder contaminated clothing before reuse.

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

Ventilation	Local Exhaust	Acceptable	Special	None
	Mechanical (General)	Yes	Other	None

Protective Gloves -

Yes, impervious

Eye Protection -

Yes, goggles or approved safety glasses (ANSI Z87)

Other Protective Clothing or Equipment -

Not usually necessary. If direct contact is possible, wear apron, boots, faceshield, etc. as needed.

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.