

# 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**

**1**

**REACTIVITY**

**0**

**FLAMMABILITY**

**0**

**PERSONAL PROTECTION**

**B**

**Identity** (As Used on Label and List)

**09420**

**Battery Cleaner & Protector**

*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		5 - 10 %
Propane	74-98-6	1000 ppm	Asphyxiant		1 - 5 %
*2-Butoxyethanol	111-76-2	50 ppm (skin)	25 ppm(skin)		1 - 5 %

\* This product contains 2- Butoxyethanol (a glycol ether compound) 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

<b>Boiling Point</b> Concentrate - Initial	212° F	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> Concentrate	1.02
<b>Pressure (psig. @ 70° F)</b>	62 ± 5	<b>Melting Point</b>	No Data
<b>Vapor Density (AIR = 1)</b>	Greater than one (1)	<b>Evaporation Rate (Butyl Acetate = 1)</b>	No Data
<b>Solubility in Water</b>	Complete	<b>pH</b>	8.7 ± 0.5

**Appearance and Odor**

Opaque orange liquid with an ethereal odor in an aerosol can.

## SECTION IV - Fire and Explosion Hazard Data

<b>USA Flame Projection Test (ASTM D-3065)</b> 0", nonflammable	<b>Flammable Limits</b> No Data	<b>LEL</b> No Data	<b>UEL</b> No Data
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**Extinguishing Media**

Not usually necessary as this material does not readily support combustion. Use media appropriate for fuel source.

**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.

**SECTION V - Reactivity Data**

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

**Incompatibility (Materials to Avoid) -**

Strong oxidizing and reducing agents, monoammonium phosphate, aluminum and phosphorus pentoxide.

**Hazardous Decomposition or Byproducts -**

Oxides of carbon, smoke and soot.

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)**

Warning. Causes eye irritation. May cause skin irritation. May be harmful if inhaled or swallowed. Repeated or prolonged occupational overexposures may lead to dermatitis. Inhalation may induce central nervous system effects. May be absorbed through intact skin. Follow good chemical hygiene practices when using this and other industrial cleaning products.

Carcinogenicity: None known	NTP? No	IARC Monographs? No	OSHA Regulated? No
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**Signs and Symptoms of Exposure**

Redness, tearing or burning in eyes. Redness, drying or cracking of skin. Irritation of nose, throat and lungs. Ingestion (unlikely) may induce drowsiness, dizziness, fatigue or loss of coordination.

**Medical Conditions Generally Aggravated by Exposure**

Pre-existing blood and lung disorders may be affected if this product is improperly used.

**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** - Rinse out mouth with and then drink plenty of water. Call a physician or poison control center immediately. **Inhalation** - Get to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration.

**Skin** - Flush with plenty of water for at least 15 minutes. Call a physician if irritation arises and persists.

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

**Steps to be Taken in Case Material is Released or Spilled** - Isolate traffic and ventilate area. Eliminate all ignition sources. Wear protective gear as necessary. Dike to prevent spread. Pick up with absorbant material or vacuum up large spills. Caution, contact with acids will produce foaming. 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.

**Precautions to be Taken in Handling and Storing** - Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not swallow. Avoid inhaling mist or vapors. Store in a cool (under 120° F) dry location away from heat, sparks, open flame, and direct sunlight. Do not puncture or incinerate container.

**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. Do not use around ignition sources such as heat, sparks, open flame, etc.

**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	Not usually needed	Special	None
	Mechanical (General)	Acceptable	Other	None

**Protective Gloves -**

Only if contact possible. Avoid direct contact.

**Eye Protection** - Use approved safety glasses or goggles (ANSI Z87) if contact possible.

**Other Protective Clothing or Equipment -**

Not usually necessary. Wear apron, boots, face shield, etc. as appropriate if contact is possible.

**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.