

# Material Safety Data Sheet

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

**HEALTH**

**HMIS®**

**3**

**REACTIVITY**

**0**

**FLAMMABILITY**

**1**

**PERSONAL PROTECTION**

**B**

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

**23916, 23920**

**Problem Solver**

*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

<b>Manufacturer's Name</b> ITW Dymon	<b>Emergency Telephone Number</b> 1-800-535-5053
<b>Address (Number, Street, City, State, and ZIP Code)</b> 805 East Old 56 Highway	<b>Telephone Number for Information</b> 1-913-397-9889
Olathe, Kansas 66061	<b>Date Prepared</b> May 1, 2002
	<b>Signature of Preparer (Optional)</b> Regulatory Dept.

## SECTION II - Hazardous Ingredients/Identity Information

<b>Hazardous Components (Specific Chemical Identity, Common Name(s))</b>	<b>CAS No.</b>	<b>OSHA PEL</b>	<b>ACGIH-TLV</b>	<b>Other Limits Recommended</b>	<b>% (Opt.)</b>
* Butoxyethanol	111-76-2	50 ppm (skin)	25 ppm (skin)		2 - 7 %
Potassium hydroxide	1310-58-3	2 mg/m <sup>3</sup> (ceiling)	2 mg/m <sup>3</sup> (ceiling)		1 - 5 %
Trisodium Phosphate	7601-54-9	Not established	Not established		1 - 5 %
Isobutane	75-28-5	800 ppm	800 ppm		7- 13 %
Propane	74-98-6	1000 ppm	Asphyxiant		1- 5 %

\* Butoxyethanol (a glycol ether compound) is listed and may require reporting under SARA Title III Sec. 313 if used over the threshold reporting quantities. This information must be included in all MSDS's that are copied and distributed for this product.

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	212 ° F	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> Concentrate	1.06
<b>Pressure (psig. @ 70° F)</b>	60 ± 5	<b>Melting Point</b>	No Data
<b>Vapor Density (AIR = 1)</b>	No Data	<b>Evaporation Rate (Butyl Acetate = 1)</b>	No Data
<b>Solubility in Water</b> Soluble		<b>pH</b>	13.3 ± 0.5
<b>Appearance and Odor</b> - Slightly viscous tan opaque liquid with a spearmint scent in an aerosol can.		<b>VOC's</b> --This product contains 167 grams per liter or 22% by weight VOC's.	

## SECTION IV - Fire and Explosion Hazard Data

<b>USA Flame Projection Test</b> Nonflammable: 0", extinguishes flame.	<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 product does not readily support combustion. Use an extinguishing agent appropriate for fire's 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 mineral acids and oxidizers, aluminum, strong alkalies, chlorinated hydrocarbons, chlorine dioxide, maleic anhydride, nitroethane, nitroparaffins, 2-nitrophenol, nitropropane, phosphorus, potassium persulfate, acrolein, acrylonitrile, and tetrahydrofuran.

**Hazardous Decomposition or Byproducts -**

Carbon dioxide, carbon monoxide, ammonia, nitrous oxides, hydrogen, 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? Yes	Inhalation? No	Skin? Yes	Ingestion? Yes
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**Health Hazards (Acute and Chronic)** - Danger: Corrosive. Contains potassium hydroxide. Causes eye burns. . Harmful or fatal if swallowed. Causes skin irritation. Harmful if inhaled. May be absorbed through intact skin. Nervous system depressant if ingested or inhaled in large quantities. Practice proper chemical hygiene to avoid these hazards.

Carcinogenicity: None known	NTP? No	IARC Monographs? No	OSHA Regulated? No
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**Signs and Symptoms of Exposure** - Redness, tearing, burning in eyes. Slick feeling on skin. Irritation of mouth, throat, or stomach. Drowsiness, dizziness, fatigue and loss of coordination with extreme overexposures.

**Medical Conditions Generally Aggravated by Exposure -**

Pre-existing skin disorders or lung impairments may be aggravated by prolonged or repeated occupational overexposure.

**Emergency and First Aid Procedures:** **Eyes** - Immediately flush with plenty of water for at least 15 minutes lifting eyelids to insure complete removal. See a physician immediately. **Ingestion** - Do NOT induce vomiting unless directed by a physician. Never give anything by mouth to an unconscious person. Drink 2 glasses 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** - Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing. If irritation arises and persists, call a physician. Launder contaminated clothing and shoes before reuse.

**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. Vacuum or pick up with absorbent material. Place in suitable container.

**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 -**

Do not get in eyes. Do not swallow. Wash thoroughly after handling. Avoid contact with skin and clothing. Avoid inhaling mist or vapors. Use with adequate ventilation. Do not smoke while using. Store in a cool (under 120° F) dry location away from heat, sparks, open flame and direct sunlight. Direct spray away from face. Replace cap when not in use.

**Other Precautions** - Follow label directions carefully. Keep out of reach of children. Do not deliberately concentrate and inhale vapors. Do not use around ignition sources such as heat, sparks, open flame, etc. Contents under pressure. Do not contaminate water, food or feed by use or storage.

**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)	- Yes	Other - None

**Protective Gloves -**

If contact possible, wear impervious.

**Eye Protection -**

Yes. Use approved safety glasses or goggles. (ANSI Z87)

**Other Protective Clothing or Equipment** - As needed to prevent direct contact. (i.e. - apron, boots, etc.)

**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 IMPROPER 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.