

# 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**

**0**

**PERSONAL PROTECTION**

**B**

**Identity** (As Used on Label and List)  
**34420 Orange Natural Citrus Foaming Oven Cleaner**

*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  Olathe, Kansas 66061	<b>Telephone Number for Information</b> 1-913-397-9889
	<b>Date Prepared</b> April 3, 2000
	<b>Signature of Preparer (Optional)</b> Regulatory Dept.

## SECTION II 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>
Isobutane	75-28-5	800 ppm	800 ppm		3 - 7 %
Potassium hydroxide	1310-58-3	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>		1 - 5 %
2-Aminoethanol	141-43-5	Not estab.	Not estab.		1 - 5 %
2-Methyl-2,4-pentanediol	107-41-5	*25 ppm	*25 ppm		1 - 5 %
Propane	74-98-6	1000 ppm	Asphyxiant		0.5-1.5%

\* Ceiling values

This product is not known to contain any compound 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

<b>Boiling Point</b> Concentrate	212 ° F	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> Concentrate	1.03
<b>Pressure (psig. @ 70° F)</b>	60 ± 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>	13 ± 0.5

### Appearance and Odor -

Viscous tan liquid with a citrus scent in an aerosol can.

## SECTION IV - Fire and Explosion Hazard Data

<b>USA Flame Projection Test</b> - 0" (Extinguishes flame) Non-flammable	<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 extinguishing agent suitable to fuel source.

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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. Corrosive contents.

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**SECTION V - Reactivity Data**

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

**Incompatibility (Materials to Avoid)** - Strong acids, reducing and oxidizing agents; acrylonitrile, chlorinated hydrocarbons, chlorine dioxide, maleic anhydride, nitroethane, nitroparaffins, 2-nitrophenol, nitropropane, phosphorus, potassium persulfate, tetrahydrofuran and hydroxyl compounds.

**Hazardous Decomposition or Byproducts -**

Carbon dioxide, carbon monoxide, oxides of silicon and nitrogen, and hydrogen.

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? Yes	Skin? Yes	Ingestion? Yes
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**Health Hazards (Acute and Chronic)**

Danger: Corrosive (Contains Potassium hydroxide). May be harmful or fatal if swallowed. Causes burns to eyes and skin with direct contact. May cause respiratory tract irritation. Use 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** Burning or tearing in eyes. Irritation of nose and throat. Redness, irritation or slick feeling on skin. Nausea, loss of coordination, fatigue may occur from excessive inhalation of fumes.

**Medical Conditions Generally Aggravated by Exposure**

Pre-existing skin and lung disorders (i.e. - asthma) can be effected 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. Get immediate medical attention. **Ingestion** - Call a physician or poison control center immediately. DO NOT induce vomiting unless directed by a physician. Rinse out mouth with water. If conscious, give large quantities of water and seek immediate medical attention. Never give anything by mouth to an unconscious person. **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. If irritation arises and persists, seek medical attention.

**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. Do not allow material to enter sewers or drains. Dispose of properly.

**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, on skin or clothing. Do not swallow. Do not inhale mist or vapors. Launder contaminated clothing before reuse. 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 inhale mist or vapors. Do not use in or 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 Satisfactory	Special - None
	Mechanical (General) - Yes	Other - None

Protective Gloves - Impervious	Eye Protection - Safety glasses or goggles (ANSI Z87)
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**Other Protective Clothing or Equipment**

As needed to protect against 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 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.