

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

2

REACTIVITY

0

FLAMMABILITY

1

PERSONAL PROTECTION

B

Identity (As Used on Label and List)

54820 Microwave 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

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

1 - 5 %

Propane

74-98-6

1000 ppm

Asphyxiant

0.5 - 1.5 %

*2-(2-Butoxyethoxy)-ethanol

112-34-5

Not estab.

Not estab.

1 - 5 %

* This product contains 2-(2-Butoxyethoxy)-ethanol 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

212 ° F

Specific Gravity (H O = 1)

Concentrate @70 ° F²

1.00

Pressure (psig. @ 70 ° F)

55 ± 5

Melting Point

No Data

Vapor Density (AIR = 1)

Greater than one (1)

Evaporation Rate (Butyl Acetate = 1)

No Data

Solubility in Water

Complete

pH

11.0 ± 0.5

Appearance and Odor -

Clear colorless liquid with a floral scent in an aerosol can.

SECTION IV - Fire and Explosion Hazard Data

USA Flame Projection Test (ASTM D-3065)

0", no flashback; Not flammable

Flammable Limits

No Data

LEL

No Data

UEL

No Data

Extinguishing Media -

Not usually necessary as this material does not readily support combustion. Use media 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 acids, alkalies and oxidizing agents, ketones, nitric and sulfuric acids, halogens and halogen compounds, zinc metal, bleaching agents, copper, galvanized iron and aluminum.

Hazardous Decomposition or Byproducts - Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, hydrogen (in contact with aluminum or zinc), 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?

Health Hazards (Acute and Chronic) - Warning. Causes eye irritation. Harmful if inhaled or swallowed. May cause skin irritation. May be absorbed through intact skin. Occupational overexposures may cause central nervous system effects. Repeated or prolonged exposures may cause dermatitis. Follow good chemical hygiene practices 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 or burning in eyes. Redness, dryness or cracking of skin. Drowsiness, dizziness, fatigue or loss of coordination. Nausea, vomiting or diarrhea if swallowed.

Medical Conditions Generally Aggravated by Exposure - Pre-existing skin, liver, kidney, lung, blood and spleen disorders may be adversely affected. Follow good chemical hygiene practices to avoid these hazards.

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** - If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. 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. If irritation arises or 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. For small spills, wipe up with an absorbant material. 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 a 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 get in eyes. Wash thoroughly after handling. Avoid inhaling mist or vapors. Use with adequate ventilation. Do not swallow. Avoid contact with skin and clothing. Launder contaminated clothing before reuse. Store in a cool (under 120° F) dry location away from heat, sparks, open flame, and direct sunlight.

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. Do not puncture or incinerate container. Do not smoke while using.

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 - Yes, impervious	Eye Protection - Yes, goggles or approved safety glasses (ANSI Z 87)
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Other Protective Clothing or Equipment -
Not usually needed. If direct contact is possible, wear apron, boots, face shield, etc. as necessary.

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.