

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

None

Identity (As Used on Label and List)
36501, 36525, 36505, 36555

Solitaire Plus

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 August 29, 2001,
	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.)
*Ethoxydiglycol	111-90-0	Not estab.	Not estab.		1 -7 %
*Zinc ammonium carbonate compound	38714-47-5	Not estab.	Not estab.		1- 5 %

* This product contains Ethoxydiglycol (a glycol ether compound) and a zinc compound which are 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 Initial	212° F	Specific Gravity (H₂O = 1) @70° F	1.034
Vapor Pressure (mm-Hg @ 70° F)	No Data	Melting Point	No Data
Vapor Density (AIR = 1)	Greater than one (1)	Evaporation Rate (Butyl Acetate = 1)	No Data
Solubility in Water	Dispersible	pH	8.5 ± 0.5

Appearance and Odor -

White to very light tan opaque liquid with an acrylic odor.

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used) None to boiling point	Flammable Limits No Data	LEL No Data	UEL No Data
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Extinguishing Media -

Not usually necessary as this product does not readily support combustion. Use media appropriate for fire's fuel source.

Special Fire Fighting Procedures -

Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear SCBA in chemical fires.

Unusual Fire and Explosion Hazards -

After water evaporates, residual solids in container may be combustible. Use water, foam, dry chemical or carbon dioxide.

SECTION V - Reactivity Data

Stability	Unstable		Conditions to Avoid - Extreme cold and heat (store between 32° and 120° F).
	Stable	X	

Incompatibility (Materials to Avoid) -
Oxidizers, strong acids or alkalis and nitrates.

Hazardous Decomposition or Byproducts -

Carbon dioxide, carbon monoxide, phosphorous oxides, smoke, soot and various organic oxidation 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	No	Yes	Yes

Health Hazards (Acute and Chronic) -

Warning. May be harmful or fatal if swallowed. May cause eye and skin irritation. Maybe harmful if inhaled. May be absorbed through intact skin. Swallowing may cause liver or kidney damage. Overexposures may induce central nervous system effects. Follow good chemical hygiene when using this and other floor care products.

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

Signs and Symptoms of Exposure -

Redness, tearing or burning in eyes. Redness, drying or cracking skin. Swallowing may cause nausea, vomiting, headache and stomach upset. Excessive inhalation of vapors may cause nausea, headache or dizziness.

Medical Conditions Generally Aggravated by Exposure -

Pre-existing skin disorders such as dermatitis may be adversely affected. Use 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. Call a physician if irritation arises.

Ingestion - If conscious, drink plenty of water then induce vomiting. 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** - 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 or use a mop. For large spills, isolate and ventilate area. Dike to prevent spread. Wear protective gear as necessary. Do not allow to enter drains, sewers or watercourses. Pick up with a vacuum or use an absorbant material. Put in a suitable container for proper disposal.

Waste Disposal Method -

Consult local, state, and federal regulations. Triple rinse empty container then offer for recycling, reuse, or reconditioning.

Precautions to be Taken in Handling and Storing -

Do not swallow. Wash hands thoroughly after using. Avoid contact with eyes, skin and clothing. Avoid inhaling vapors. Use with adequate ventilation. Protect from freezing. Store at temperatures between 32° and 120° F.

Other Precautions - Follow label directions carefully. Keep out of reach of children. Keep container tightly sealed when not in use. 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. Use NIOSH/MSHA approved respirator if PELs or TLVs are exceeded.

Ventilation	Local Exhaust	Not usually needed	Special	None
	Mechanical (General)	Yes	Other	None

Protective Gloves - Not usually needed. If direct contact possible, wear impervious.

Eye Protection - Not usually needed. If direct contact is possible, wear goggles or approved safety glasses.

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 hands after use and 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.