

Read/Right *Material Safety Data Sheet*

Read/Right Products
33 Murray Hill Drive
Nanuet, N.Y. 10954

June, 1997
1233

PRODUCT (TRADE) NAME: Keywipe
PRODUCT IDENTIFICATION NUMBER(S): 1233
CHEMICAL NAME AND SYNONYMS: Ethyl Alcohol Solution
CHEMICAL FORMULA: $\text{CH}_3\text{CH}_2\text{CH}_2(\text{OH})$
EMERGENCY TELEPHONE NUMBERS: Read/Right: 1-800-327-1237
CHEMTREC (Transportation): (800) 424-9300

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS#</u>	<u>%</u>	<u>OSHA PEL(ppm)</u>	<u>ACGIH TLV (ppm)</u>
Ethyl Alcohol (Ethanol SDA-40B)	64-17-5	40.0	1000	1000
Deionized Water	7732-18-5	58.6	NA	NA
Benzethonium Chloride (USP)	8001-54-5	0.5	NA	NA
Methyl Paraben	99-76-3	0.1	NA	NA
Imidazolindyl Urea	39236-46-9	0.3	NA	NA
Nonylphenol Polyglycol Ether	9016-45-9	0.5	NA	NA

SECTION 3: HAZARDS IDENTIFICATION

Product is a single use, presaturated pad in which all the liquid is absorbed by the applicator. Product is an eye irritant and can produce skin irritation with repeated exposure. The product contains ethyl alcohol therefore, exposures over 1000ppm may cause headache, drowsiness, loss of appetite, an inability to concentrate, nausea and vomiting

Carcinogenicity (OSHA/NTP/IARC/ACGIH): None Listed
Medical Conditions Aggravated by Exposure: None Listed

SECTION 4: FIRST AID INFORMATION

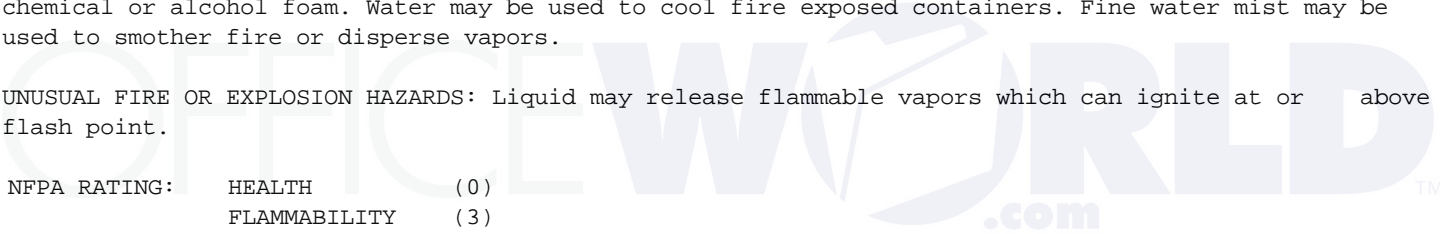
EYE CONTACT: Flush with water for 15 minutes, including under eyelids. Get medical help.
SKIN CONTACT: Flush with water.
INHALATION: Remove to fresh air. Restore and/or support breathing as needed. Give oxygen if breathing is difficult. Call physician immediately.
INGESTION: In the unlikely event of ingestion of a wiper, first aid measures should focus on removal of the object and preventing choking. Once removed, keep affected person at rest. Call physician immediately.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TCC): 79° °F
FLAMMABLE LIMITS (% BY VOLUME): LEL: NA UEL: NA
AUTOIGNITION TEMPERATURE °F(°C): NA
EXTINGUISHING MEDIA: Fires involving Ethyl Alcohol may be extinguished using carbon dioxide, dry chemical or alcohol foam. Water may be used to cool fire exposed containers. Fine water mist may be used to smother fire or disperse vapors.

UNUSUAL FIRE OR EXPLOSION HAZARDS: Liquid may release flammable vapors which can ignite at or above flash point.

NFPA RATING: HEALTH (0)
FLAMMABILITY (3)



REACTIVITY (0)

Formulation is classified as an OSHA Class IB Flammable Liquid
NA=Not Available

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Since the liquid is completely absorbed by the applicator material, and the amount of liquid per container is small, the chance of a spill due to container failure is minimal. Absorb small spills with paper towels, evaporate flammable alcohol in exhaust hood and dispose of properly. If a large amount of liquid is released, all sources of ignition should be eliminated. Cleanup personnel need protection against liquid contact and vapor inhalation.

SECTION 7: HANDLING AND STORAGE

Avoid excessive contact with skin. Do not store at temperatures above 120°F. Store away from heat, sparks and open flame.

SECTION 8: EXPOSURE CONTROL - PERSONAL PROTECTION

No specific controls are required for personnel working with the presaturated pads and canisters. When working with large quantities of the liquid, eye and skin protection should be worn. Adequate ventilation should be used to maintain TLV.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (°F(°C)):	205(96.1)	% VOLATILE BY VOLUME @ 25°C:	>98
VAPOR PRESSURE (mmHg @ 25°C):	55	EVAPORATION RATE(BUTYL ACETATE=1):	>1.0
VAPOR DENSITY (AIR=1):	>1	FORM:	Presaturated Pad
% SOLUBLE IN WATER @ 25°C:	100	ODOR:	Alcohol
SPECIFIC GRAVITY (G/CC@25°C)	0.94	APPEARANCE OF LIQUID:	Clear

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable mixture under normal conditions of use.
HAZARDOUS POLYMERIZATION:	Will not occur under normal conditions of use.
INCOMPATIBILITIES/CONDITIONS TO AVOID:	Avoid contact with acetyl chloride and all oxidizing agents. Always avoid excess heat or exposure to open flame.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Monoxide may form from incomplete combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Not Available

SECTION 12: ECOLOGICAL INFORMATION

Not Available.

SECTION 13: DISPOSAL CONSIDERATIONS

Follow Federal, State and Local regulations.

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SECTION 14: TRANSPORT INFORMATION

DOT CLASSIFICATION: Not Regulated

Proper Shipping Name:

Hazard Class:

UN Number:

Packing Group:

Hazard Labeling:

IATA/ICAO CLASSIFICATION: Not Regulated

Proper Shipping Name:

Hazard Class:

UN Number:

Packing Group:

Hazard Labeling:

IMDG CLASSIFICATION: Not Regulated

Proper Shipping Name:

Hazard Class:

IMDG Page#:

Packing Group:

Flash Point:

Marine Pollutant:

SECTION 15: REGULATORY INFORMATION

SARA TITLE III REPORTING:

Toxic Chemical(Section 313):		Not Listed
Extremely Hazardous Substance (Section 302, 304, 311,312):		Not Listed
Hazard Class:	Chronic Health	Yes
	Acute Health	Yes
	Fire Hazard	Yes
	Pressure Hazard	No
	Reactivity Hazard	No

TSCA INVENTORY STATUS: All components in the formulation are listed in the TSCA inventory

SECTION 16: OTHER INFORMATION

The information provided herein is compiled from internal reports and data from professional publication. It is furnished without warranty of any kind, expressed or implied. It is intended solely to assist in evaluating suitability and proper use of the material and in implementing safety precautions and procedures. Employers should use this information as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials. All information used must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

