

Read/Right *Material Safety Data Sheet*Read/Right Products
33 Murray Hill Drive
Nanuet, N.Y. 10954June, 1997
1263a**IDENTIFICATION AND EMERGENCY INFORMATION**

PRODUCT (TRADE) NAME: Keyboard Kleen
Keyboard Kleen Solvent

PRODUCT IDENTIFICATION NUMBER(S): 1263a

CHEMICAL NAME AND SYNONYMS: Isopropyl Alcohol

CHEMICAL FORMULA: $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$

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>
Isopropyl Alcohol	67-63-0	91.0	400	400
Deionized Water	7732-18-5	9.0	NA	NA

SECTION 3: HAZARDS IDENTIFICATION

Isopropyl alcohol is a flammable liquid. Eye contact will cause local irritation and burning sensations with possible injury if not removed promptly. Repeated or prolonged contact with skin may produce irritation and cause dermatitis. Exposure above TLV may cause irritation of respiratory tract and eyes along with headaches, dizziness and CNS effects. May be harmful if swallowed.

Carcinogenicity (OSHA/NTP/IARC/ACGIH): Not Listed
Medical Conditions Aggravated by Exposure: Not 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. Keep at rest. Restore and/or support breathing as needed. Get prompt Medical attention.

INGESTION: Get prompt medical help. Keep victim at rest.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TCC): 56°F
FLAMMABLE LIMITS (% BY VOLUME): LEL: NA UEL: NA
AUTOIGNITION TEMPERATURE °F (°C): NA

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical or alcohol foam. Water may be used to cool containers exposed to the fire.

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

NFPA RATING: HEALTH (1)
FLAMMABILITY (3)
REACTIVITY (0)

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Ventilate area, especially low areas where vapors may collect. Remove all sources of ignition. Cleanup personnel need protection against liquid contact and vapor inhalation.

SECTION 7: HANDLING AND STORAGE

Store in a clean, cool, ventilated area away from sources of ignition and oxidizing agents. Handle and store in a manner suitable for an OSHA Class IB Flammable Liquid. Electrical services must meet applicable codes. Use non-sparking tools.

SECTION 8: EXPOSURE CONTROL - PERSONAL PROTECTION

Provide ventilation to maintain TLV. Use non-sparking tools. Avoid inhalation of vapors, contact with eyes and repeated or prolonged contact with skin. Do not take internally.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (°F(°C)):	180(80)	% VOLATILE BY VOLUME @ 25°C:	100
VAPOR PRESSURE (mmHg @ 25°C):	33	EVAPORATION RATE(BUTYL ACETATE=1):	>1
VAPOR DENSITY (AIR=1):	>1	FORM:	liquid
% SOLUBLE IN WATER @ 25°C:	100	ODOR:	alcohol
SPECIFIC GRAVITY (G/CC@25°C)	0.81	APPEARANCE OF LIQUID:	clear

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur
INCOMPATIBILITIES/CONDITIONS TO AVOID:	Caustics, amines, alkanolamines, aldehydes, ammonia, strong oxidizing agents and chlorinated compounds.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide

SECTION 11: TOXICOLOGICAL INFORMATION

Not Available

SECTION 12: ECOLOGICAL INFORMATION

Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Follow Federal, State and Local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT CLASSIFICATION:

Proper Shipping Name:	Consumer Commodity
Hazard Class:	ORM-D
UN Number:	Does not apply
Packing Group:	Does not apply
Hazard Labeling:	ORM-D, ORM-D-Air

IATA/ICAO CLASSIFICATION:

Proper Shipping Name:	Consumer Commodity
Hazard Class:	Class 9, Miscellaneous
UN Number:	ID#8000
Packing Group:	Does not apply
Hazard Labeling:	Class 9, Miscellaneous

IMDG CLASSIFICATION:

Proper Shipping Name:	Dangerous Goods in Limited Quantity of Class 3.2
Hazard Class:	Class 3.2, Flammable Liquid
IMDG Page#:	Does not apply
Packing Group:	II
Flash Point (°C):	13
Marine Pollutant:	Does not apply

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:

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.