



Material Safety Data Sheet

ADVANTUS[®]

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1211, 1460

SECTION 1: PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT (TRADE) NAME: HandKleen
PRODUCT IDENTIFICATION NUMBER(S): RR1211, RR1460
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: (904) 482-0091
CHEMTREC (Transportation): (800) 424-9300

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT	CAS#	%	OSHA PEL(ppm)	ACGIH TLV (ppm)
Ethanol SDA-40B	64-17-5	20.00	1000	1000
PPG-12-PEG-50	68458-88-8	0.70	NA	NA
Potassium Sorbate	24634-61-5	0.34	NA	NA
Benzethonium Chloride (USP)	8001-54-5	0.17	NA	NA
Citric Acid	5949-29-1	0.03	NA	NA
Deionized Water	7732-18-5	78.76	NA	NA

SECTION 3: HAZARDS IDENTIFICATION

Product is distributed as either a single use, presaturated pad, in an aluminum foil packet or, a plastic dispenser holding up to 50 presaturated applicators. In both cases, all the liquid is absorbed by the applicator(s). Ethanol may cause irritation of eyes and skin. Exposure to over 1000ppm may cause headache, drowsiness, loss of appetite, inability to concentrate and irritation to throat. Ingestion can produce depression of central nervous system, nausea and vomiting.

Carcinogenicity (OSHA/NTP/IARC/ACGIH):

Studies have indicated a correlation between drinking alcoholic beverages and cancer of the oral cavity, larynx, esophagus, and liver.

Medical Conditions Aggravated by Exposure:

None Listed

SECTION 4: FIRST AID INFORMATION

EYE CONTACT: Flush eyes with water. Contact physician.
SKIN CONTACT: Flush affected area with water.
INHALATION: Move victim to fresh air. Restore or support breathing as needed. Contact 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): 96°F

FLAMMABLE LIMITS (% BY VOLUME): LEL: NA UEL: NA

AUTOIGNITION TEMPERATURE °F (°C): NA

EXTINGUISHING MEDIA: Use dry chemical. "alcohol foam" or carbon dioxide. Water may be ineffective. Water may be used to keep fire exposed containers cool.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Since the formulation is completely absorbed by the applicator and the amount of isopropyl alcohol per applicator is small, the chance of a significant spill occurring is small. In the event however, a significant amount of liquid is released, ventilate the area, especially low areas where vapors may collect and 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(s). 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)):	188(86.7)	% VOLATILE BY VOLUME @ 25°C:	>98
VAPOR PRESSURE (mmHg @ 25°C):	28	EVAPORATION RATE(BUTYL ACETATE=1):	NA
VAPOR DENSITY (AIR=1):	>1	FORM:	Saturated Wipe
% SOLUBLE IN WATER @ 25°C:	100	ODOR:	Alcohol
SPECIFIC GRAVITY (G/CC@25°C)	0.98	APPEARANCE OF LIQUID:	Clear

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Not likely
INCOMPATIBILITIES/CONDITIONS TO AVOID:	Contact with acetyl chloride and a wide range of oxidizing agents may react violently
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Monoxide can form on incomplete combustion.

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: 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):

Extremely Hazardous Substance
(Section 302, 304, 311,312):

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.