

Calvary Industries, Inc. encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HAND CLEANER GEL
PRODUCT CODE: CC4083

MANUFACTURER: Calvary Industries, Inc.
 9233 Seward Road
 Fairfield, Ohio 45014

APPLICATION: 80% Alcohol Gel

INFORMATION PHONE: (513) 874-1113
EMERGENCY RESPONSE: (800) 535-5053

SECTION 2 - HAZARDS IDENTIFICATION

GHS Classification: Physical Flammable Liquid 3 - H226

Health Eye Irritation 2A – H319

Environmental Not Classified

Label Elements: Signal Word **Warning!**



HMIS RATING	
HEALTH	2
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	A

Hazard Statements: H226 Flammable liquid and vapor
 H319 Causes serious eye irritation

SAFETY DATA SHEET

PRODUCT NAME: HAND CLEANER GEL

SECTION 2 - HAZARDS IDENTIFICATION (Continued)

Precautionary Statements: P210	Keep away from heat/sparks/open flames/hot Surfaces-No smoking
P233	Keep container tightly closed
P241	Use explosion-proof electrical equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS NO.</u>	<u>Weight %</u>
Ethyl Alcohol	64-17-5	70-80%

SECTION 4 - FIRST AID MEASURES

EYES: Immediately flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: N/A

INHALATION: If exposed to excessive levels of fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION: If swallowed, seek medical attention. Administer 2 glasses of water or milk. Do not induce vomiting unless directed to do so by medical personnel.

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SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog or fine spray, carbon dioxide, dry chemical foam. Do not use direct water stream, may spread fire.

FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus with a full face-piece operated in the positive pressure mode and full body protection when fighting fires. Avoid accumulation of water. Product may be carried across water surface spreading fire or contacting an ignition source.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Spills of these organic liquids on hot fibrous insulation may lead to lowering of the auto-ignition temperatures possibly resulting in spontaneous combustion. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights or other ignition sources at locations distant from material handling point.

SPECIFIC HAZARDS: This product contains no specific hazards.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear appropriate protective gear described in Section 8 of this safety data sheet.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Eliminate all sources of ignition in vicinity of spill or released vapor to avoid fire or explosion. For large spills, warn public of downwind exposure hazard. Ground and bond all containers and handling equipment.

Pump with explosion-proof equipment. Absorb small spills with material such as dirt or sand. If available, use foam to smother or suppress.

WASTE DISPOSAL METHOD:

Dispose of in accordance with all local, state and federal regulations. Vapor explosion hazard, keep out of sewers. Material may float on water and any runoff may create an explosion or fire hazard if ignited.

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SECTION 7 - HANDLING AND STORAGE

HANDLING: Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

STORAGE: Use of non-sparking or explosion-proof equipment may be necessary, depending upon the type of operation. Minimize sources of ignition, such as static buildup, heat, spark or flame. Keep containers tightly closed when not in use. Store in carbon steel, stainless steel, Teflon.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

<u>COMPONENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm

RESPIRATORY PROTECTION: Use an NIOAH/MESHA approved respirator if airborne concentrations exceed the threshold limit value for an 8-hour time weighted average.

PROTECTIVE CLOTHING: Waterproof gloves made of neoprene, vinyl, rubber, polyethylene or PVC should be worn if exposure is expected to be prolonged. Safety glasses with side shields or chemical splash goggles should be worn.

ENGINEERING CONTROLS: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear Colorless liquid		
ODOR	Alcohol odor	VAPOUR PRESSURE	No Data
pH	7.5	VAPOUR DENSITY	No Data
FREEZING POINT	No Data	SPECIFIC GRAVITY	0.865
BOILING POINT	No Data	SOLUBILITY IN WATER	Complete
FLASH POINT	75°F	AUTO-IGNITION TEMP	No Data
EVAPORATION RATE	No Data	VOLATILE ORGANIC COMPOUND (VOC)	5.14 Lbs/gallon
UPPER/LOWER EXPLOSION LIMITS	No Data	PARTITION COEFFICIENT (n-Octanol/water)	No Data

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SECTION 10 - STABILITY AND REACTIVITY

GENERAL: This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS TO AVOID: Oxidizing materials.

CONDITIONS TO AVOID: Contact with incompatible materials, temperatures near the flash point

HAZARDOUS DECOMPOSITION PRODUCTS: Does not normally decompose. Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Hazardous decomposition products may include but are not limited to: carbon dioxide, carbon monoxide, various hydrocarbons..

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No specific toxicological information is available for this product.

ROUTES OF EXPOSURE: Eyes, Skin, Inhalation, Ingestion.

POTENTIAL HEALTH EFFECTS

EYES

Acute (Immediate): Causes eye irritation.

Chronic (Delayed): No data.

SKIN

Acute (Immediate): No data.

Chronic (Delayed): May cause dryness or irritation

INHALATION

Acute (Immediate): Breathing of mist may cause slight irritation to nasal and respiratory system.

Chronic (Delayed): May cause dizziness or drowsiness.

INGESTION:

Acute (Immediate): May be fatal if swallowed and enters airways.

Chronic (Delayed): No data

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SECTION 12 - ECOLOGICAL INFORMATION

No specific ecological data is known or reported for this product or its components.

SECTION 13 - DISPOSAL CONSIDERATIONS

If this product becomes a waste it is the user's responsibility to dispose of the material in accordance with local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT (Department of Transportation): This product is regulated as a DOT hazardous material.

PROPER SHIPPING NAME: ALCOHOLS, N.O.S., (Ethyl Alcohol)

HAZARD CLASS: 3

IDENTIFICATION NUMBER: UN1987

PACKING GROUP: III

LABEL(S) REQUIRED: FLAMMABLE

SECTION 15 - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): Components used in this product are listed on the TSCA Inventory.

SARA TITLE III (Superfund Amendments and Reauthorization Act):

Section 311/312 Hazard Categories (Acute health, Chronic health, Fire, Reactive or Sudden Release of Pressure: Acute Health Hazard, Fire

Section 313: The following toxic chemical(s) is (are) subject to the reporting requirements of the Emergency Planning and Community Right-to-Know Act of 1986 and 40CFR372.

<u>CHEMICAL NAME</u>	<u>CAS#</u>	<u>WT.%</u>
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None

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SECTION 16 - OTHER INFORMATION

Calvary Industries urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the date shown. However, no warranty, expressed or implied, is given as to the results of the use of this information or the product to which it relates. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's /user's responsibility to ensure that his activities comply with all federal, state, or local laws. Since conditions for use of this product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Recipient assumes all responsibility for the use (alone or in combination with any other product), storage, or disposal of the product, including any resultant personal injury or property damage.

Disclaimer: Any technical advice furnished or recommendation made by Seller concerning any use or application of any product is believed to be reliable, but Seller makes no warranty, either expressed or implied, as to its accuracy or completeness, or of the results to be obtained. Buyer assumes full responsibility for testing and determining suitability of product for its intended use. Buyer's/User's total remedy against the Seller for any deficiency or nonconformity is limited to replacement of the product. The Seller of the product shall be held harmless for any indirect, special, incidental or consequential damages. There are no other expressed or implied warranties for the product.

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PREPARER: J. Yeary