



Allied Pressroom Products
Chemicals for the International Printing Industry

SAFETY DATA SHEET Hand Gel (USA)

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name Hand Gel (USA)

Recommended use of the chemical and restrictions on use

Application Hand cleaner.

Uses advised against Use only for intended applications.

Details of the supplier of the safety data sheet

Supplier ALLIED PRESSROOM PRODUCTS
4814 Persimmon Ct.
Monroe
North Carolina
28110
USA
TELEPHONE: +1 800-327-8487 (09:00-17:00 EST)
FAX: +1 704-635-7249
info@alliedchem.com

Manufacturer Same as supplier

Emergency telephone number

Emergency telephone 24 HR. EMERGENCY TELEPHONE 800-424-9300 CHEMTREC Allied Pressroom Products
+1 800-327-8487 (09:00-17:00 EST)

National emergency telephone number 911

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Flam. Liq. 2 - H225

Health hazards Eye Irrit. 2A - H319

Environmental hazards Not Classified

Human health Irritating to eyes.

Physicochemical The product is highly flammable. Vapors may form explosive mixtures with air.

Label elements

Hazard symbols



Hand Gel (USA)

Signal word	Danger
Hazard statements	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation.
Precautionary statements	P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/ bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container in accordance with national regulations.

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on Ingredients

Mixtures

ETHANOL	60-100%
CAS number: 64-17-5	
Classification	
Flam. Liq. 2 - H225 Eye Irrit. 2A - H319	
Polypropylene Glycol	1-<3%
CAS number: 25322-68-3	
Classification	
STOT SE 3 - H335	

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

General information	Keep affected person away from heat, sparks and flames.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin Contact	Wash with plenty of soap and water.

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Eye contact Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Most important symptoms and effects, both acute and delayed

Inhalation Vapours may cause drowsiness and dizziness.

Ingestion May cause discomfort if swallowed.

Skin contact Skin irritation should not occur when used as recommended.

Eye contact Causes serious eye irritation.

Indication of immediate medical attention and special treatment needed

Specific treatments Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with the following media: Carbon dioxide (CO₂). Alcohol-resistant foam. Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media Do not use water, if avoidable.

Special hazards arising from the substance or mixture

Specific hazards The product is highly flammable.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapors. Containers close to fire should be removed or cooled with water. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of vapors and spray/mists. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

Reference to other sections For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

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Usage precautions Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with eyes. Avoid inhalation of vapors. Provide adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required. Use approved respirator if air contamination is above an acceptable level. Storage tanks and other containers must be grounded. In use may form flammable/explosive vapour-air mixture. Use explosion-proof electrical, ventilating and lighting equipment. Contents may develop pressure upon prolonged storage.

Conditions for safe storage, including any Incompatibilities

Storage precautions Keep away from oxidizing materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Ground container and transfer equipment to eliminate sparks from static electricity.

Storage class Flammable liquid storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

ETHANOL

Short-term exposure limit (15-minute): ACGIH 1000 ppm

A3

Long-term exposure limit (8-hour TWA): OSHA 1000 ppm 1900 mg/m³

ACGIH = American Conference of Governmental Industrial Hygienists.

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

OSHA = Occupational Safety and Health Administration.

ETHANOL (CAS: 64-17-5)

Immediate danger to life and health 3300 ppm

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

No specific eye protection required during normal use. If large quantities are involved: The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Hand protection not required. If large quantities are involved: Wear protective gloves made of the following material: Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). Nitrile rubber.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Do not smoke in work area.

Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

9. Physical and chemical properties

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Information on basic physical and chemical properties

Appearance	Gel.
Color	Clear. Colorless.
Odor	Alcoholic.
Odor threshold	Not available.
pH	pH (concentrated solution): 4.5 - 5.5
Melting point	Not applicable.
Initial boiling point and range	78.29°C @ 760 mm Hg 172.9°F @ 760 mm Hg
Flash point	49.5°F Tag closed cup.
Evaporation rate	> 1 (butyl acetate = 1)
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: 19 %, V Lower flammable/explosive limit: 3.3 %, V
Vapor pressure	No information available.
Vapor density	No information available.
Relative density	0.9 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	455°C
Decomposition Temperature	No information available.
Viscosity	No information available.
Oxidizing properties	Not applicable.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
Volatile organic compound	This product contains a maximum VOC content of 582 g/l. This product contains a maximum VOC content of 4.9 lb per Gallon.
VOC Composite Partial Pressure:	19.75 mmHg (Calculated @ 20 C/68 F)
C.A.R.B. V.O.C.:	64.6%; 0% Photo Chemically Reactive.

10. Stability and reactivity

Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.
Materials to avoid	Strong acids. Strong alkalis. Strong reducing agents. Strong oxidizing agents.

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Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂).

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

Respiratory sensitization

Respiratory sensitization Based on available data the classification criteria are not met.

Skin sensitization

Skin sensitization Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation Drowsiness, dizziness, disorientation, vertigo.

Ingestion May cause stomach pain or vomiting.

Skin Contact Skin irritation should not occur when used as recommended.

Eye contact Irritating to eyes.

Route of exposure Inhalation Eye = Danger of ocular absorption.

Medical Symptoms Irritation of eyes and mucous membranes. Skin irritation. Drowsiness, dizziness, disorientation, vertigo.

12. Ecological information

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Ecotoxicity Not known. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Persistence and degradability

Persistence and degradability No data available.

Bioaccumulative potential

Bio-Accumulative Potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient No information available.

Mobility in soil

Mobility The product is soluble in water. The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

Waste treatment methods

General Information When handling waste, the safety precautions applying to handling of the product should be considered. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

General As supplied, this product is consigned under the Limited Quantities provisions. For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

UN Number

UN No. (TDG) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN No. (DOT) UN1993

UN proper shipping name

Proper shipping name (TDG) FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL)

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL)

Proper shipping name (DOT) FLAMMABLE LIQUIDS, N.O.S. (CONTAINS ETHANOL)

Transport hazard class(es)

DOT hazard class 3

DOT hazard label 3

TDG class 3

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TDG label(s) 3

IMDG Class 3

ICAO class/division 3

Transport labels**DOT transport labels****Packing group**

TDG Packing Group II

IMDG packing group II

ICAO packing group II

DOT packing group II

Environmental hazards**Environmentally Hazardous Substance**

No.

Special precautions for user

EmS F-E, S-E

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

National regulations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

US Federal Regulations**SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities***ETHYLENE OXIDE*

<0.01%

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)*ETHYLENE OXIDE*

<0.01%

1,4-DIOXANE

<0.01%

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed.

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SARA 313 Emission Reporting

Not listed.

CAA Accidental Release Prevention

ETHYLENE OXIDE

<0.01%

FDA - Essential Chemical

Not listed.

FDA - Precursor Chemical

Not listed.

OSHA Highly Hazardous Chemicals

ETHYLENE OXIDE

<0.01%

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

ETHYLENE OXIDE

<0.01%

Carcinogen, developmental toxin and reproductive toxin.

1,4-DIOXANE

<0.01%

Carcinogen.

California Air Toxics "Hot Spots" (A-I)

ETHYLENE OXIDE

<0.01%

1,4-DIOXANE

<0.01%

California Air Toxics "Hot Spots" (A-II)

Not listed.

California Directors List of Hazardous Substances

ETHANOL

60-100%

ETHYLENE OXIDE

<0.01%

1,4-DIOXANE

<0.01%

Massachusetts "Right To Know" List

Yes

ETHANOL

60-100%

Rhode Island "Right To Know" List

ETHANOL

60-100%

Hand Gel (USA)

ETHYLENE OXIDE

<0.01%

1,4-DIOXANE

<0.01%

Minnesota "Right To Know" List

Yes

ETHANOL

60-100%

Polypropylene Glycol

1-<3%

ETHYLENE OXIDE

<0.01%

1,4-DIOXANE

<0.01%

New Jersey "Right To Know" List

Yes

ETHANOL

60-100%

Pennsylvania "Right To Know" List

ETHANOL

60-100%

Inventories

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

Not listed.

16. Other information

Abbreviations and acronyms used in the safety data sheet

CAS: Chemical abstracts service.
 PBT: Persistent, bioaccumulative and toxic substance.
 vPvB: Very persistent and very bioaccumulative.

ATE: Acute toxicity estimate.

LC₅₀: Lethal concentration to 50 % of a test population.

LD₅₀: Lethal dose to 50% of a test population (median lethal dose).

EC₅₀: 50% of maximal effective concentration.

IMDG: International maritime dangerous goods.

IATA: International air transport association.

TDG: The transport of dangerous goods act

UN: United Nations.

MARPOL 73/78: International convention for the prevention of pollution from ships, 1973 as modified by the protocol of 1978.

IBC: International code for the construction and equipment of ships carrying dangerous chemicals in bulk (International bulk chemical code).

GHS: Globally harmonized system.

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Classification abbreviations and acronyms	Eye Irrit. = Eye irritation Flam. Liq. = Flammable liquid STOT SE = Specific target organ toxicity-single exposure
Key literature references and sources for data	Material Safety Data Sheet, Misc. manufacturers.
Revision comments	This is the first issue.
Issued by	J Waterfield
Revision date	28/05/2020
Revision	0.0
SDS No.	23158
Hazard statements in full	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
ACA HMIS Health rating.	Moderate hazard. (2)
ACA HMIS Flammability rating.	Ignites easily. (3)
ACA HMIS Physical hazard rating.	Normally stable. (0)

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