

Section 1: Company and Product Identification

1.1. Product Identification:

Product Name: **SOLO HAND-GEL**

Application: SURFACE DISINFECTANT

1.2. Product use(s) and applications advised against:

Product use(s): ALCOHOL HAND GEL/RUB

Applications advised against:

1.3. Details of the Supplier of the Safety Data Sheet

Company: Chemiphase Ltd
Ringtail Place
Burscough
Lancashire
L40 8LA

Emergency Response: CHEMTREC (24 hrs): +44 (0) 1704 894 808

Section 2: Hazards Identification

2.1 Classification of the Substance or Mixture

Hazard Category: Flammable Liq Cat 2
Serious eye damage/eye irritation Cat 2
Specific target organ tox, single exp. Cat 3 (narcotic effects)

2.2 GHS Label Elements

Signal Word: Danger

Hazard Pictograms:



Hazard Statements: H225: Highly flammable liquid and vapour
H319: Causes serious eye irritation
H336: May cause drowsiness or dizziness

Precautionary Statements: P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P264: Wash thoroughly after handling
P280: Wear protective gloves/protective clothing/eye protection/face protection
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P337+313: If eye irritation persists get medical advice/attention

2.3 Other Hazards Not applicable, none known.

Section 3: Composition / Information on Ingredients

3.1 Hazardous Components

Hazardous substance (name)	CAS#	Weight %
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Ethyl Alcohol	64-17-5	68-72
denatonium benzoate (bitrex)	3734-33-6	0.1

3.2 Other Information No further information.

Section 4: First Aid Measures

4.1 Description of First Aid Measures

General Info:	Product may give off vapors in affecting the inhalation route. Ensure proper ventilation during application / curing. Seek medical treatment if any excessive exposures result in symptoms.
If ingested:	Rinse mouth. Seek medical attention if symptoms develop. Do not induce vomiting.
If inhaled:	Remove to fresh air. Obtain medical attention if respiratory symptoms or other symptoms develop. Inhalation may result in asthmatic symptoms or respiratory sensitization - monitor closely for symptoms of tightness in chest.
Eye contact:	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops or persists.
Skin contact:	Rinse with soap and water thoroughly. Get medical advice if irritation develops or persists. A PEG-400 oil, or corn oil may be an effective skin cleanser.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Notable Exposure symptoms:	An allergic or asthmatic response (sensitization reaction), may occur in some exposed individuals. If these symptoms occur, seek medical attention immediately.
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Section 5: Fire Fighting Measures

5.1 Extinguishing Media	Carbon dioxide (CO ₂), dry chemical, alcohol-resistant foam.
5.2 Special Hazards Arising from Mixture	Direct fire hazard, highly flammable, gas.vapour flammable with air. Indirect fire hazard
5.3 Advice for Firefighters / Protective equipment	Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Direct water spray may spread fire.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and procedures:	Clean/wipe up mechanically, manually. Wear appropriate protective equipment and clothing during clean-up operations. Avoid breathing vapors. Ventilate area if easy to do so.
6.2 Environmental Precautions:	Prevent soil and water pollution
6.3 Methods and Materials for Containment and Cleanup	Absord with a suitable non combustable material
6.4 References to Other Sections	For personal protection, see section 8 of the SDS. For disposal information, Section 13.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling	Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Avoid breathing vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment.
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7.2 Recommendations for Storage:

Store in cool area. Store away from strong acids or oxidizing agents. Refer to Section 10.

Section 8: Exposure Control / Personal Protection

8.1 Components with Exposure Control

Substances with Exposure Limits	CAS#	ACGIH-TWA	STEL
Ethanol	64-17-5	1000ppm	1000ppm

8.2 Exposure Controls

Engineering Controls: Ensure proper ventilation in enclosed spaces.

Work Clothing: Protective work clothing which covers skin and prevents exposures.

Eye/face protection: Safety glasses.

Skin Protection: Wear chemical resistant gloves.

Respiratory Protection: Utilize organic vapor respirator if airborne levels are not maintained below exposure limits, or if ventilation is inadequate.

Environmental Exposure: No special considerations. Avoid release of material to surface waters.

Additional Information: Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product. Cutting or grinding of the product may release substances which require monitoring (see chart above).

Section 9: Physical and Chemical Properties

9.1 Physical/Chemical Properties

Appearance	Clear, Colourless
Physical State	Liquid
Odour	Alcohol
Odour Threshold	N/A
pH	6.8-7.2
Melting Point	(-) 114degC
Softening Point	N/A
Boiling Point	78 DegC
Flash Point	Alcohol
Evaporation Rate	N/A
Flammability	flammable
Explosion Limit	(-) 114degC
Vapour Limit	N/A
Vapour Density	N/A
Vapour Pressure	N/A
Specific Gravity	0.785 g/cm3
Bulk Density	N/A
Water Solubility	Miscible
Solubility	N/A
<u>Partition-Coefficient Component</u>	
<i>Ethyl Alcohol</i>	(-) 0.32
Auto-ignition Temperature	363 DegC
Decomposition Temperature	N/A
Viscosity	N/A
Explosive Properties	N/A
Oxidizing Properties	N/A

9.2 Other Information No further information.

Stability and Reactivity

10.1 Reactivity On heating release of toxic/corrosive/combustible gases/vapours. Upon combustion CO and CO₂ formed. Violent to explosive reaction with some metal powders and with strong oxidizers.

10.2 Chemical Stability Hygroscopic

10.3 Possibility of No additional information available

10.4 Conditions to Avoid extreme temperatures, flame, oxidizers, and acids / bases.

10.5 Incompatible Strong oxidizers, strong acids/bases.

Materials

10.6 Hazardous Carbon monoxide, carbon dioxide

Section 11 Toxicological Information

11.1 Information on Toxicological Effects

General Information: Product has not been tested. Potentially irritating or sensitizing to respiratory system.

Acute Toxicity (Oral): Not tested. Not expected to pose an acute oral toxicity hazard.

Acute Toxicity (Dermal): Skin contact is not expected to pose a dermal toxicity hazard.

Acute Toxicity (Inhalation): No further information.

Skin Corrosion / Irritation: Skin irritant

Eye Corrosion / Irritation: Eye / mucous membrane irritant.

Sensitization: Respiratory and skin sensitization reactions possible.

Carcinogenicity / Mutagenicity: Product contains ingredients which are suspect carcinogens. Diphenylmethane 4,4'-diisocyanate, and analogous materials have been suspected of causing carcinogenic effects in laboratory animal (GHS Cat 2).

Section 12 Ecological Information

12.1 Toxicity Product has not been tested. Product is not expected to have significant deleterious effects

12.2 Persistence and No specific data available. Product is not expected to rapidly degrade.

12.3 Bioaccumulation No specific data available. Product is not expected to bioaccumulate in biological tissue.

12.4 Mobility in Soil No further information available.

12.6 Other information No further information available.

Section 13 Disposal Information

13.1 Waste Treatment

Product disposal: Dispose of product in accordance with local, regional, and national regulations. Consult with
Container disposal: Packaging of product may contain small amounts of residual product which can be discarded.
Other considerations: No further information.

Section 14: Transport Information

UN: 1170
CLASS 3
PACKING GROUP II
PROPER SHIPPING NAME: Ethanol
OTHER:

Section 15: Regulatory Information

TSCA: All components listed on the TSCA 8(b) inventory.
CERCLA RQ: Not applicable
SARA 311/312: Immediate (acute), delayed (chronic) health hazards.
SARA 313 Isocyanate compound (N120), ~25%
California Prop 65 Product contains California Proposition 65 substances in small quantities (carbon black,
Canadian DSL: All substances in product are listed on the DSL.
WHMIS: See Section 3 for disclosure substances, if applicable. Product is classified in accordance with

Section 16: Other Information

SDS Author: Product Safety Dept.

Version Dat

30/04/2021

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