



# Safety Data Sheet

Revision Number 01 - Date 02.03.2020

## 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):** ANTI-BACTERIA, ALCOHOL HAND GEL

**Applications advised against:**

### 1.3. Details of the Supplier of the Safety Data Sheet

**Company:** Kleanstone  
Melton House  
Jackson Way  
Melton  
HU14 3HJ

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

## Section 2: Hazards Identification

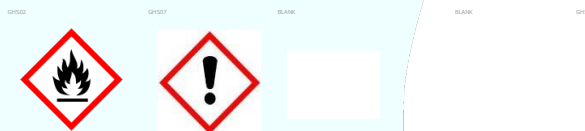
### 2.1 Classification of the Substance or Mixture

**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 %

Ethyl Alcohol	64-17-5	63-66
Isopropyl Alcohol	67-63-0	3-7

**3.2 Other Information** No further information.

#### Section 4: First Aid Measures

##### **4.1 Description of First Aid Measures**

<b>General Info:</b>	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.
<b>If ingested:</b>	Rinse mouth. Seek medical attention if symptoms develop. Do not induce vomiting.
<b>If inhaled:</b>	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.
<b>Eye contact:</b>	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.
<b>Skin contact:</b>	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**

<b>Notable Exposure symptoms:</b>	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

<b>5.1 Extinguishing Media</b>	Carbon dioxide (CO2), dry chemical, alcohol-resistant foam.
<b>5.2 Special Hazards Arising from Mixture</b>	Direct fire hazard, highly flammable, gas.vapour flammable with air. Indirect fire hazard
<b>5.3 Advice for Firefighters / Protective equipment</b>	Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Direct water spray may spread fire.

#### Section 6: Accidental Release Measures

<b>6.1 Personal precautions, protective equipment and procedures:</b>	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.
<b>6.2 Environmental Precautions:</b>	Prevent soil and water pollution
<b>6.3 Methods and Materials for Containment and Cleanup</b>	Absorb with a suitable non combustable material
<b>6.4 References to Other Sections</b>	For personal protection, see section 8 of the SDS. For disposal information, Section 13.

#### Section 7: Handling and Storage

<b>7.1 Precautions for Safe Handling</b>	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:** Observe good chemical hygiene practices. Do not smoke or eat while using this product.

**Information:** 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	6.8-7.2
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 CO<sub>2</sub> 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 Materials** Strong oxidizers, strong acids/bases.
- 10.6 Hazardous** Carbon monoxide, carbon dioxide

### Section 1 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 1 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 1 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**

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

**Section 15: Regulatory Information**

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**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**

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**SDS Author:** Product Safety Dept. **Version Date** 27/03/2020

*DISCLAIMER The information provided in this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.*