

1. Product and Company Identification

- a. Product name : Hand Cleaner
- b. Usage of product : Cleaning Agent
- c. Company information : SangJi Enterprise CO., LTD.

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d. Date : 09th March , 2020

e. Version : 1.2

2. Hazards Identification

- a. Emergency over view : Clear liquid
- b. Eye contact : Slightly irritation to eyes.
- c. Skin contact : No more than slightly irritation to skin.
Not toxic if absorbed.
- d. Inhalation : No more than slightly toxic if absorbed.
- e. Ingestion : No more than slightly toxic if swallowed.

Significant adverse health effects are not expected to develop if only small amounts (less than mouthful) are swallowed.

Pictograms



Signal word: Caution

3. Composition / Information on Ingredients

Components	CAS No.	Ratio(wt%)	Remark
Water	7732-18-5	28.9	
Ethanol	64-17-5	70.0	
Glycerin	56-81-5	1.0	
Citrus medica limonum (Lemon) fruit extract	84929-31-7	0.1	

4. First Aid Measures

- a. If in eyes : Immediately flush with plenty of water for at least 15 minutes.
If easy to do, remove any contact lenses.
Get medical attention.
Remove material from skin and clothing.
- b. If on skin : Immediately flush with plenty of water.
Remove contaminated clothing.
Get medical attention if irritation persists.
Wash clothing before reuse.
- c. If inhaled : Immediate first aid is not likely to be required.
If symptoms occur, remove to fresh air.
Remove material from eye, skin and clothing.
- d. If swallowed : Immediate first aid is not likely to be required.
A physician or Poison Control Center can be contacted for advice.
Wash heavily contaminated clothing before reuse.

5. Fire Fighting Measures

- a. Flammability : Non-flammable
- b. Hazardous products of combustion : carbon mono oxide ; carbon dioxide
- c. Extinguishing media : Water spray, foam, dry chemical, or carbon dioxide
- d. Unusual fire and explosion hazards : Non known
- e. Fire fighting equipment : Fire fighters, and others exposed, wear self-contained breathing apparatus.
Equipment should be thoroughly decontaminated after use.

6. Accidental Release Measures

- a. Personal precautions : Use personal protection recommended in Section 8.
- b. Environmental precautions : Keep out of drains and water courses.
- c. Methods for cleaning up : Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal.
Absorb remaining material or small spills with an inert material and then place in chemical waste container.
Flush spill area with water.

7. Handling and Storage

- a. Handling : Emptied containers retain vapour and product residue.
Observe all recommended safety precautions until container is cleaned, reconditioned or destroyed.

The reuse of this material's container for non industrial purpose is prohibited and any reuse must be in consideration of the data provided in this document.

b. Storage : Stable under normal conditions of handling and storage.

8. Exposure Controls / Personal Protection

- a. Eye protection : Does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.
- b. Hand protection : Wear chemical resistant gloves. Consult the glove/clothing manufacturer to determine the appropriate type glove/clothing for a given application.
- c. Body protection : Wear suitable protective clothing. Consult the glove/clothing manufacturer to determine the appropriate type glove/clothing for given application. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Wash thoroughly after handling.
- d. Respiratory protection : This material is not likely to present an airborne exposure concern under normal conditions of use. Avoid breathing vapour or mist. Use approved positive pressure atmosphere supplying respiratory protection equipment for a given application. Observe respirator use limitations specified by the manufacturer.
- e. Ventilation : Provide natural or mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination such as processing equipment.

9. Physical and Chemical Properties

- a. Appearance : Viscose Clear liquid
 - b. PH (5% sol'n) : 7.0 ± 1.0
 - c. Solubility : Soluble in water
 - d. Boiling point : $> 70^{\circ}\text{C}$ (at 760 mmHg)
 - e. Flash point : $> 20^{\circ}\text{C}$ (at 760 mmHg)
 - f. Vapour pressure : < 0.01 mmHg (at 20°C)
 - g. Ionic in water: Not available
- Specific gravity($20/4^{\circ}\text{C}$) : 0.838 ± 0.02

Note : These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. Stability and Reactivity

- a. Conditions to avoid : None known
- b. Materials to avoid : None known
- c. Hazardous reactions : Hazardous polymerization does not occur.
- d. Hazardous decomposition products : None known

11. Toxicological Information

No toxicity studies on this material and no toxicological information was obtained in a reasonably extensive search of the available scientific literature.

12. Ecological Information

An environmental toxicity or biodegradation study with this material is not available.

13. Disposal Considerations

- a. Disposal considerations : Incineration, recycle
- b. Miscellaneous advice : Local, state, provincial and national regulations may be more or less stringent. Consult your attorney or appropriate regulatory officials for information on such disposal. This product should not be dumped, spilled, rinsed or washed into sewers or public waterways.

14. Transport Information

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Classification: Dangerous Class 3, Small Quantity Dangerous (LQ)

Identification: **UN 1170 ethanol solution.**

Special Provisions for Transport: Not applicable.

IATA

Hazardous for Air Transport : Need package of dangerous goods for air transport

15. Regulatory Information

- a. Regulation due to the industrial safety hygienic law : Not available
- b. Hazard Notification (U.S. TSCA)
 - Hazard categories (40CFR370) : Not applicable
 - Section302 extremely hazardous substances : Not applicable
 - Section313 toxic chemical(s) : Not applicable
- c. CERCLA reportable quantity : Not applicable

16. Other Information

	Health	Fire	Reactivity	Others
Suggested NFPA rating	1	0	0	

Material Safety Data Sheet

4/5 Pages

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