

Material Safety Data Sheet

SECTION 1. Product and Company Identification

Product Name CLIMAX Fablic Cleaner

Manufacturer SOFT99AUTOSERVICE
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Product Detail

*Product Use liquid detergent
*Limitation on use For Business

SECTION 2. Hazard Identification

【GHS Classification】

Physical Hazards	Flammable liquids	Category 2
Human Health Hazards	Acute toxicity (Oral)	Category 5
	Acute toxicity (Dermal)	Category 5
	Serious eye damage/eye	Category 2A
	Reproductive toxicity	Category 2
	Specific target organ toxicity – Single exposure	Category 1 (central nervous system, Kidney, Systemic toxicity) Category 3 (Respiratory tract irritation)
	Specific target organ toxicity – Repeated exposure	Category 2 (blood vessel, liver, spleen)
	Aspiration hazard	Category 2
Environmental Hazards	Acute toxicity to the aquatic environment.	Not classified.
	Chronic toxicity to the aquatic environment.	Not classified.

Label Elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor.

May be harmful if swallowed.

May be Harmful in contact with skin.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child.

Causes damage to organs: Central nervous system. Kidney.Systemic toxicity.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure:

Blood vessel, liver, spleen.

May be harmful if swallowed and enters airways.

Precaution **【Prevention】**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe mist/vapor/spray.

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

Use ventilation system or personal protective equipment as required.

【Response】

IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for Breathing.

Immediately call a POISON CENTER or doctor/physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

If present and easy to do. Continue rinsing. Immediately call a POISON CENTER or Doctor/physician.

Do NOT induce vomiting.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use appropriate extinction.

【Storage】

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

【Disposal】

Dispose of contents/container in accordance with local/regional/national/international Regulations.

SECTION 3. Composition/Information on Ingredients

3.1 Substance: 2-Propanol

3.2 Othername: Iso-Propylalcohol

3.3 Chemical formula: C₃H₈O

3.4 Molecular Structure: (CH₃)₂CHOH

3.5 CAS Number: 67-63-0

3.6 EC Number: 200-661-7

3.7 Concentration: >=99.8%

Section 4. First-aid measures

4.1 Description of necessary measures, subdivided according to the different routes of exposure, inhalation, skin and eye contact, and ingestion

IF SWALLOWED

Rinse mouth. Immediately call a POISON CENTER or doctor/physician. **IF INHALED**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately Call a POISON CENTER or doctor/physician.

IF ON SKIN

Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/injuries: Symptoms may include dizziness, headache, nausea and loss of co-ordination. Inhalation may affect the nervous system causing headache, possibly dizziness, nausea, weakness, loss of Coordination and unconsciousness.

Symptoms/injuries after inhalation: slightly irritant but not relevant for classification. Inhalation may affect The nervous system causing headache, possibly dizziness, nausea, weakness, loss of coordination

And unconsciousness.

Symptoms/injuries after skin contact: Slightly irritating to skin.

Symptoms/injuries after eye contact: Conjunctival redness. Direct contact may result in corneal injury. Symptoms/injuries after ingestion: Abdominal pain, nausea.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5. Fire-fighting measures

Acute hazards/symptoms in Fire: Flammable.

Prevention in Fire: NO open flames, NO sparks, and NO smoking.

First AID/Fire Fighting in Fire: Powder, alcohol-resistant foam, water spray, carbon dioxide.

Acute hazards/symptoms in Explosion: Above 38 degree C explosive vapor/air mixtures may be formed. Prevention in Explosion: Above 38 degree C use a closed system, ventilation, and Explosion-proof electrical equipment.

First AID/Fire Fighting in Explosion: In case of fire: keep drums, etc., cool by spraying with water.

Section 6. Accidental release measures

General Information: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Remove all sources of ignition. Provide ventilation. Use only non-sparking tools and equipment.

Control runoff and isolate discharged material for proper disposal. Use water spray to cool and

Disperse vapors and protect personnel.

Section 7. Handling and storage

7.1 Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing mist/vapor/spray.

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Section 8. Exposure controls / protection

8.1 Control parameters, occupational exposure limit values or biological limit values.

ACGIH 2005, TLV-TWA 200ppm

8.2 Appropriate engineering controls.

(Please refer to engineering controls described in "7.1 Precautions for safe handling".)

8.3 Individual protection measures, such as personal protective equipment.

(Please refer to Individual protection measures described in "7.1 Precautions for safe handling".)

Section 9. Physical and chemical properties

Appearance (physical state, color): colorless liquid

Odor: Alcohol odor

Odor threshold: No data

PH: 6.2

Melting point/Freezing point: -90°C

Initial boiling point and boiling range: 82.5°C(boiling point)

Flash point: 12°C (closed-cup)

Evaporation rate: No data

Flammability(solid,gas): liquid

Upper/lower flammability or explosive limits: lower limit 2.0vol%, upper limit 12.7vol%

Vapor pressure: 4.4kPa (20°C)

Vapor density: 2.1

Relative density: 0.786(20/4°C)

Solubility: soluble in water, ether, Acetone.

Partition coefficient: n-octanol/water: log Pow= 0.05

Auto Ignition temperature: 460°C

Section 10. Stability and reactivity

Chemical stability: It is stable in normal handling.

Possibility of hazardous reactions: React with strong oxidizing reagent.

Conditions to avoid: Heating.

Incompatible materials: strong oxidizing reagent.

Hazardous decomposition products: CO, CO₂

Section 11. Toxicological information

Acute toxicity (Oral) rat LD50: 3437mg/kg

(Inhalation) rat LC50: 76200mg/ m³ (Dermal)

rabbit LD50: 4059mg/kg

Acute toxicity (Oral) Category 5 May be harmful if swallowed.

Acute toxicity (Dermal)

Rabbit LD50 4059mg/kg CERI Hazard Data(1999)

Category 5 May be harmful in contact with skin.

Skin corrosion / irritation.

In rabbit skin irritation test, there is a report of mild irritation or Irritation.

Out of Category.

Serious eye damage / eye irritation.

In the eye irritation test in the rabbit, there is a report of irritation of mild or severe.

Category 2A Causes serious eye irritation.

Respiratory sensitization / Skin sensitization.

No data available.

Germ cell mutagenicity.

It is negative in the micronucleus test using mouse bone marrow cells in in vivo.

Out of Category.

Carcinogenicity.

IARC (Access on Oct 2005) Group 3, A4

Out of Category.

Reproductive toxicity.

EHC (1990), SIDS (1997) ACGIH (2003)

In developmental toxicity, teratogenicity study in rats, there was no teratogenicity.

But there was a decrease in body weight gain in parental animals. There was anesthetic action.

Decrease in the pregnancy rate. Increase in resorptions. Increase in fetal death.

Category 2 Suspected of damaging fertility or the unborn child.

Specific target organ toxicity – Single exposure.

PATY(1994)、ACGIH(2003) Inhalation exposure in rats.

There is a decrease in the activity.

ACGIH (2003), CERH Hazard Data (1999) Acute poisoning by oral ingestion in humans.

Irritation to the gastrointestinal tract. Decrease in body temperature and blood pressure.

Disorders of the central nervous. Kidney damage. Is irritating the nose and throat in humans.

Target organ is a systemic toxic central nervous system, and kidneys.

Category 1 Causes damage to organs: Central nervous system. Kidney. Systemic toxicity.

Category 3 Respiratory tract irritation.

Specific target organ toxicity – Repeated exposure.

EHC (1990) Rat

In four months inhalation exposure test, it was affected blood vessels, liver, and spleen.

Category 2 May cause damage to organs through prolonged or repeated exposure: Blood vessel, liver, spleen. Aspiration hazard.

By intratracheal administration in rats, die of cardiopulmonary arrest within 24 hours.

Kinematic viscosity 1.6.

It is determined that there is aspiration hazard.

Category 2 May be harmful if swallowed and enters airways.

Section 12. Ecological information

Acute toxicity to the aquatic environment.

Fish Himedaka LC₅₀ > 100mg/L/96H

Out of Category.

Chronic toxicity to the aquatic environment.

Not water-insolubility (aqueous solubility = 1.00×10^6 mg/L (PHYSPROP Database, 2005)

Out of Category.

Other adverse effects.

No data available.

Section 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal

If you would like to dispose of this chemical, you should properly dispose of this by yourself or ask

Qualified specific agents dispose of this according to related legislations and local regulations.

If you would like to ask the agents dispose of this chemical, you should provide sufficient information on dangerousness and hazard of this chemical.

The disposal of any contaminated packaging

Container should be recycled after cleaning or if you would like to dispose of container of this

Chemical, you should properly dispose of this by yourself or ask qualified specific agents

dispose Of this according to related legislations and local regulations. If you would like to

ask the Agents dispose of this container, you should provide sufficient information on

dangerousness

And hazard of this chemical in this container and information on ingredient and notice of container.

Section 14. Transport information

UN No.: 1219

UN Proper shipping name: IPA

Transport Hazard class: Class 3 Flammable Liquids.

Packing Group: II

Special precautions which a user needs to be aware of or needs to comply with in connection with

Transport or conveyance either within or outside their premise

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product in question (under survey)

Section 16. Other information

GHS Model Label List of 714 Chemicals in OSH in Japan

GHS Classification Manual, Technical Guidance and Results of the classification in Japan.

Technical Guidance on GHS classification in Japan.

The above information is believed to be correct but does not purport to be all inclusive and shall be used

only as a guide.

The information in this document is based on the present state of our knowledge and is applicable to the

product with regard to appropriate safety precautions.