

GO Clean 45% Vinegar

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Not applicable.
CAS No.	Mixture
Trade Name	GO Clean 45% Vinegar
Product Code	None

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Cleaning Product Concentrate
Uses Advised Against	None

Company Identification	GO Rainmaker LLC 1341 Riverview Drive San Bernardino, Ca 92408
Telephone	(909) 800-7009
E-Mail (competent person)	info@go-rainmaker.com

Emergency telephone number

Emergency Phone No.	909-800-7009 (24-hr)
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Skin Corr. 1B; Eye Dam. 1

Label elements

Hazard Symbol



DANGER

Signal Word(s)

Hazard Statement(s)

Causes severe skin burns and eye damage.

Precautionary Statement(s)

Do not breathe mist/vapours/spray.

Wash hands and exposed skin thoroughly after handling.

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

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Treat symptomatically.

IF ON SKIN: Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Immediately call a POISON CENTER/doctor. Treat symptomatically. Contaminated clothing should be laundered before reuse.

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is laboured, administer oxygen. Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

Store locked up.

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Other hazards

Harmful to aquatic life.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	% wt.	CAS No.
Acetic acid	45	64-19-7
Water	55	7732-18-5

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is laboured, administer oxygen. Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

Skin Contact

Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Immediately call a POISON CENTER/doctor. Treat symptomatically. Contaminated clothing should be laundered before reuse.

Eye Contact

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

Ingestion

Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Treat symptomatically.



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Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage.

Indication of any immediate medical attention and special treatment needed

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

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media

Non-flammable / Non-combustible. As appropriate for surrounding fire.

-Unsuitable Extinguishing Media

None known.

Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapours.

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapours/spray. Wear suitable respiratory protective equipment if exposure to high levels of material are likely.

Environmental precautions

Contain effluent and prevent effluent from entering sewers and waterways.

Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections

None

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Do not breathe mist/vapours/spray. Wash hands and exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Conditions for safe storage, including any incompatibilities

-Storage temperature

Store at room temperature. Do not allow material to freeze.

-Incompatible materials

Substances that react with water. Alkalis

Specific end use(s)




Metal Cleaner

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		STEL		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Acetic Acid	64-19-7	10 ppm	10 ppm	-----	15 ppm	-----

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Recommended monitoring method	NIOSH 1603 (Acetic Acid)
Exposure controls	
Appropriate engineering controls	Use only outdoors or in a well-ventilated area. Use only at a place, which is equipped with a safety shower.
Personal protection equipment	
Eye/face protection	Wear protective eyewear (goggles, face shield, or safety glasses). Wear acid-resistant protective clothing.
	
Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely (Neoprene or Butyl rubber). Check with protective equipment manufacturer's data.
	
Respiratory protection	Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.
	
Environmental Exposure Controls	Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color	Colourless
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	1 – 2
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not applicable
Vapour pressure (Pascal)	Not available
Vapour Density (Air=1)	Not applicable
Density (g/ml)	~ 1.04 (~8.7 lb/gal)
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not applicable
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not applicable
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available

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SECTION 10: STABILITY AND REACTIVITY

Reactivity	No hazardous reactions known if used for its intended purpose.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Incompatible materials
Incompatible materials	Substances that react with water. Alkalis.
Hazardous decomposition product(s)	Combustion or thermal decomposition will evolve toxic and irritant vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Acetic Acid (CAS No. 64-19-7):

Acute toxicity	Oral: LD50 > 5000 mg/kg (rat) Inhalation: LC50 > 5 mg/L (4-hr, rat, Aerosol). Dermal: LD50 > 5000 mg/kg (rat)
Irritation/Corrosivity	Causes serious eye irritation. Unlikely to cause skin irritation.
Sensitization	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated
Carcinogenicity	No evidence of carcinogenicity.

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Mutagenicity	There is no evidence of mutagenic potential.
Reproductive toxicity	None anticipated

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Acetic Acid (CAS No. 64-19-7):

Short term	LL50 (48 hour): >100 mg/l (Fish) LL50 (48 hour): >100 mg/L (Aquatic Invertebrates) EL50 (48 hour): >100 mg/L (Aquatic Plants)
Long Term	None anticipated
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	The product has no potential for bioaccumulation.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
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SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	UN 2790	UN 2790	UN 2790
Proper Shipping Name	Acetic acid solution (45%)	Acetic acid solution (45%)	Acetic acid solution (45%)
Transport hazard class(es)	8	8	8
Packing group	III	III	III
Label elements	Corrosive	Corrosive	Corrosive
Environmental hazards	No	No	No
Special precautions for user	None assigned.	None assigned.	None assigned.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed and active, or exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----

SARA 311/312 - Hazard Categories: See SECTION 2 - HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	----	----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

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Additional Information:

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