

Safety Data Sheet

ULTRA CLEAN

SDS Revision Date:

2/25/2026



1. Identification

1.1. Product identifier

Product Identity

ULTRA CLEAN

Alternate Names

55-017, Blended Formula, Ultra Clean, Multi-Purpose Bio- Cleaner, Ultrasonic Machine Parts Cleaner- 5 gallon

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

Intended use

Mild alkaline parts cleaner and degreaser for ultrasonic machines. Safe on all surfaces.

Application Method

Read all precautions and instructions carefully before and after use.

1.3. Details of the supplier of the safety data sheet

Company Name

ComStar International Inc.
20-47 128th Street,
College Point, NY 11356

Telephone No.

718-445-7900
800-328-0142
Fax: 718-353-5998

Emergency 24 HR response No: 1-800-424-9300 & 703-527-3887 CHEMTREC

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure, or accident. Please direct all other inquiries to our customer service phone number.

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Eye Irrit 2; H315 Causes skin irritation

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

[Hazard statements]:

H319: Causes serious eye damage

[Prevention]:

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P280: Wear protective gloves/protective clothing/eye protection/face protection

[Response]:

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher for extinction.

[Storage]:

P403: Store in a well-ventilated place. Keep cool.

[Disposal]:

No GHS disposal statements

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|--|----------|--------------------|-------|
| DIPROPYLENE GLYCOL MONOMETHYL ETHER CAS#: 34590-94-8 | <25 | Eye Irrit. 2B | |
| SODIUM METASILICATE CAS#: 6834-92-0 | <5 | Not Classified | |
| SODIUM XYLENE CAS#: 1300-72-7 | <5 | Not Classified | |
| VERSENE LIQUID CAS#: 64-02-8 | <5 | Not Classified | |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. Get medical attention immediately if symptom occur.

Eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

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Skin Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview Difficulty in breathing. Symptoms of overexposure may be headache, dizziness, tiredness, nausea, and vomiting.

Notes to Physician Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam. Water mist may be used to cool closed containers.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

5.3. Hazardous Combustion Products

5.4. Advice for fire-fighters

ERG Guide No. ---

6. Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment as required. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.

6.2. Environmental precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Remove all sources of ignition.

6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

7. Handling and storage

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7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Avoid contact with skin, eyes, or clothing. Avoid ingestion and inhalation. Ensure adequate ventilation. Keep away from open flames, hot surfaces, and sources of ignition.

Hygiene Measures

When using do not eat, drink, or smoke. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from heat, sparks, and flame. Store under an inert atmosphere. Protect from moisture.

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure limits

List source(s): EU - Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/ECUK - EH40/2005Work Exposure Limits, Third edition. Published 2018. IRE - 2018 Code of Practice for the Chemical Agents Regulations, Schedule1. Published by the Health and Safety Authority

| Component | The United Kingdom | European Union | Ireland |
|--|--|--|--|
| DIPROPYLENE GLYCOL MONOMETHYL ETHER | STEL: 150 ppm 15 min STEL: 924 mg/m ³ 15 min TWA: 50 ppm 8 hr TWA: 308 mg/m ³ 8 hr Skin | TWA: 50 ppm (8h) TWA: 308 mg/m ³ (8h) Skin | TWA:50 ppm 8 hr. TWA:308 mg/m ³ 8 hr. STEL:150 ppm 15 mins STEL:924 mg/m ³ 15 min Skin |

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region-specific regulatory bodies.

Monitoring methods

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. MDHS70 General methods for sampling airborne gases and vapours.

Derived No Effect Level (DNEL)

No information available

| Route of exposure | Acute effects (local) | Acute effects (systemic) | Chronic effects (local) | Chronic effects (systemic) |
|------------------------------|--------------------------|--------------------------|--------------------------|----------------------------|
| Oral Dermal Inhalation | No information available | No information available | No information available | No information available |

Predicted No Effect Concentration (PNEC)

No information available.

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| CAS No. | Ingredient | Source | Value |
|------------|-------------------------------------|----------|---|
| 34590-94-8 | DIPROPYLENE GLYCOL MONOMETHYL ETHER | OSHA | 100 ppm |
| | | ACGIH | 100 ppm |
| | | NIOSH | TWA 100 ppm (600 mg/m ³) ST 150 ppm (900 mg/m ³) [skin] |
| | | Supplier | No Established Limit |
| 1300-72-7 | SODIUM XYLENE | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| | | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 6834-92-0 | SODIUM METASILICATE | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 64-02-8 | VERSENE LIQUID | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|------------|-------------------------------------|--------|--|
| 34590-94-8 | DIPROPYLENE GLYCOL MONOMETHYL ETHER | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 1300-72-7 | SODIUM XYLENE | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 6834-92-0 | SODIUM METASILICATE | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |

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| | | | |
|---------|----------------|------|--|
| 64-02-8 | VERSENE LIQUID | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| | | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

Engineering Measures

None under normal use conditions. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye Protection Wear safety glasses with side shields (or goggles) (European standard - EN166)

Hand Protection Protective gloves

| Glove material | Breakthrough time | Glove thickness | EU standard | Glove comments |
|--|--------------------------------------|-----------------|-------------|--------------------------|
| Nitrile rubber Neoprene Natural rubber PVC | See manufacturers recommendations | --- | EN 374 | (Minimum requirement) |

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information) Ensure gloves are suitable for the task: Chemical compatibility, Dexterity, Operational conditions, User susceptibility, e.g., sensitization effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

Respiratory Protection No protective equipment is needed under normal use conditions.

Large scale/emergency use A NIOSH/MSHA or European Standard EN 136 approved respirators if exposure limits are exceeded or if irritation or other symptoms are experienced

Recommended Filter type: Particle filter 2

Small scale/Laboratory use Maintain adequate ventilation

Recommended half mask:- Valve filtering: EN405; or; Half mask: EN140; plus filter, EN141

Environmental exposure controls No information available

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9. Physical and chemical properties

| | |
|--|---|
| Appearance | Clear Liquid |
| Odor | Like ether |
| Odor threshold | Not Measured |
| pH | 10 |
| Melting point / freezing point | -80°C / -112°F |
| Initial boiling point and boiling range | 180°C / 356°F |
| Flash Point | None |
| Evaporation rate (Ether = 1) | Not Measured |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: 1.3 Vol% Upper Explosive Limit: 10.4 Vol% |
| Vapor pressure (Pa) | 0.4 mmHg @ 25°C |
| Vapor Density | Not Measured |
| Specific Gravity | >1 |
| Solubility in Water | Complete |
| Solubility in other solvents | No information available |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | 270°C / 518°F |
| Decomposition temperature | No data available |
| Viscosity (cSt) | 25°C/77°F: NA |
| Volatiles (% by weight) | NA |
| Octanol/Water Partition Coefficient | NA |
| 9.2. Other information | |
| Molecular Formula | C7 H16 O3 |
| Molecular Weight | 148.20 |
| Explosive Properties | explosive air/vapour mixtures possible |

10. Stability and reactivity

10.1. Reactivity

None known, based on information available

10.2. Chemical stability

Hygroscopic

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

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Keep away from open flames, hot surfaces, and sources of ignition. Incompatible products. Excess heat. Exposure to moist air or water.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO₂).

11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Product Information

See actual entry in RTECS for complete information.

(a) acute toxicity;

Oral Based on available data, the classification criteria are not met

Dermal Based on available data, the classification criteria are not met

Inhalation Based on available data, the classification criteria are not met

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-------------------------------------|------------------------|----------------------------|-----------------|
| Dipropylene glycol monomethyl ether | LD50 = 5.35 g/kg (Rat) | LD50 = 9500 mg/kg (Rabbit) | --- |

(b) skin corrosion/irritation;

Based on available data, the classification criteria are not met

(c) serious eye damage/irritation;

Based on available data, the classification criteria are not met

(d) respiratory or skin sensitization;

Respiratory

Based on available data, the classification criteria are not met

Skin

Based on available data, the classification criteria are not met

(e) germ cell mutagenicity;

Based on available data, the classification criteria are not met

met

Not mutagenic in AMES Test

(f) carcinogenicity;

Based on available data, the classification criteria are not met
There are no known carcinogenic chemicals in this product

(g) reproductive toxicity;

Based on available data, the classification criteria are not met

(h) STOT-single exposure;

Based on available data, the classification criteria are not met

(i) STOT-repeated exposure; Target Organs

Based on available data, the classification criteria are not met
None known.

(i) aspiration hazard;

Based on available data, the classification criteria are not met

Other Adverse Effects
investigated.

The toxicological properties have not been fully

Symptoms / effects, both acute and delayed

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Symptoms of overexposure may be headache, dizziness, tiredness, nausea, and vomiting.

11.2. Information on other hazards

Endocrine Disrupting Properties

Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

12. Ecological information

12.1. Toxicity

Aquatic Ecotoxicity

Do not empty into drains.

| Component | Freshwater Fish | Water Flea | ErC50 algae, mg/l |
|--|--|--|-------------------|
| DIPROPYLENE GLYCOL MONOMETHYL ETHER (34590-94-8) | Pimephales promelas: LC50 >10000 mg/L/96h | LC50: = 1919 mg/L, 48h (Daphnia magna) | --- |
| SODIUM XYLENE CAS#: (1300-72-7) | Not Available | Not Available | Not Available |
| | Not Available | Not Available | Not Available |
| VERSENE LIQUID (64-02-8) | Not Available | Not Available | Not Available |
| SODIUM METASILICATE CAS#: (6834-92-0) | Not Available | Not Available | Not Available |

12.2. Persistence and degradability

Readily biodegradable, Persistence is unlikely

12.3. Bioaccumulative potential

Bioaccumulation is unlikely

12.4. Mobility in soil

The product is water soluble, and may spread in water systems. Will likely be mobile in the environment due to its water solubility. Highly mobile in soils.

12.5. Results of PBT and vPvB assessment

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB).

12.6. Endocrine disrupting properties

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors

12.7. Other adverse effects Persistent Organic Pollutant

This product does not contain any known or suspected substance

12.8. Ozone Depletion Potential

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This product does not contain any known or suspected substance

13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues/Unused Products

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Contaminated Packaging

Empty remaining contents. Dispose of in accordance with local regulations. Do not re-use empty containers.

European Waste Catalogue (EWC)

According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

14. Transport information

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|---|--|---|----------------------------------|
| 14.1. UN number | Not Regulated | Not Regulated | Not Regulated |
| 14.2. UN proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| 14.3. Transport hazard class(es) | DOT Hazard Class: Not Applicable | IMDG: Not Applicable Sub Class: Not Applicable | Air Class: Not Applicable |
| 14.4. Packing group | Not Applicable | Not Applicable | Not Applicable |

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

No further information

15. Regulatory information

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

International Inventories

X = listed, Europe (EINECS/ELINCS/NLP), U.S.A. (TSCA), Canada (DSL/NDSL), Philippines (PICCS), China (IECSC), Japan (ENCS), Australia (AICS), Korea (ECL).

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| Component | EINECS | ELINCS | NLP | TSCA | DSL | NDSL | PICCS | ENCS | IECSC | AICS | KECL |
|-------------------------------------|-----------|--------|-----|------|-----|------|-------|------|-------|------|----------|
| Dipropylene glycol monomethyl ether | 252-104-2 | --- | | X | X | --- | X | X | X | X | KE-12230 |

Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals
Not applicable

National Regulations

WGK Classification See table for values

| Component | Germany - Water Classification (VwVwS) | Germany - TA-Luft Class |
|-------------------------------------|--|-------------------------|
| Dipropylene glycol monomethyl ether | WGK1 | |

| Component | France - INRS (Tables of occupational diseases) |
|-------------------------------------|--|
| Dipropylene glycol monomethyl ether | Tableaux des maladies professionnelles (TMP) - RG 84 |

UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002

15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

16. Other information

Full text of H-Statements referred to under sections 2 and 3

CAS - Chemical Abstracts Service Substances Control inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances

Domestic Substances List/Non-Domestic

PICCS - Philippines Inventory of Chemicals and Chemical Substances and New Chemical Substances

IECSC - Chinese Inventory of Existing Chemical Substances of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances Inventory of Chemicals

WEL - Workplace Exposure Limit Average

Legend

TSCA - United States Toxic

DSL/NDSL - Canadian Substances List

ENCS - Japanese Existing

AICS - Australian Inventory

NZIoC - New Zealand

TWA - Time Weighted

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ACGIH - American Conference of Governmental Industrial Hygienists
for Research on Cancer

IARC - International Agency

DNEL - Derived No Effect Level
(PNEC)

Predicted No Effect Concentration

RPE - Respiratory Protective Equipment

LD50 - Lethal Dose 50%

LC50 - Lethal Concentration 50%

EC50 - Effective Concentration 50%

NOEC - No Observed Effect Concentration

POW - Partition coefficient

Octanol:Water

PBT - Persistent, Bioaccumulative, Toxic
Bioaccumulative

vPvB - very Persistent, very

ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

ICAO/IATA - International Civil Aviation Organization/International Air Transport Association

IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code

MARPOL - International Convention for the Prevention of Pollution from Ships

OECD - Organisation for Economic Co-operation and Development

ATE - Acute Toxicity Estimate

BCF - Bioconcentration factor

VOC (volatile organic compound)

Key literature references and sources for data

<https://echa.europa.eu/information-on-chemicals>

Suppliers safety data sheet, Chem advisor - LOLI, Merck index, RTECS

Training Advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.

End of Document