

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
 Trade name : Valsure® Neutral Detergent
 Product code : 1C54

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Manual/pre-cleaning, ultrasonics, hospital washer/disinfectors and automated mechanical washer applications for processing appropriate medical devices including surgical instruments. For professional use only.

Use of the substance/mixture : Neutral Detergent

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

STERIS Corporation
 P. O. Box 147, St. Louis, MO 63166, US
 Telephone Number for Information: 1-800-548-4873 (Customer Service-Healthcare Products)
 US Emergency Telephone No.1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)

Supplier:

STERIS Ireland Limited
 IDA Business and Technology Park
 Tullamore
 County Offaly
 R35 X865
 Ireland.
 Product/Technical Information Phone No: +44 (0) 116 276 8636
 Email: asksteris_msds@steris.com

1.4. Emergency telephone number

Emergency number : +44 (0) 1895 622 639

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315

Eye Irrit. 2A H319

Full text of H-phrases: see Section 16.

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictograms (CLP) :



GHS07

Signal Word (CLP) :

Warning

Hazard statements (CLP) :

H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.

Precautionary statements (CLP) :

P264 - Wash thoroughly after handling
 P280 - Wear eye protection, protective clothing, protective gloves.
 P302+P352 - IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P332+P313 - If skin irritation occurs: Get medical attention.

Valsure[®] Neutral Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

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

2.3. Other hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. This product contains trace amounts of formaldehyde. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable.

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Citric acid	(CAS No) 77-92-9 (REACH No) 01-2119457026-42-0067	1.51	Comb. Dust Eye Irrit. 2A, H319

Full text of H-phrases: see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Get medical advice and attention.

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

Symptoms/Injuries	: Causes irritation
Symptoms/Injuries After Inhalation	: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/Injuries After Ingestion	: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms	: None expected under normal conditions of use.

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

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media	: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special hazards arising from the substance or mixture

Fire Hazard	: Not flammable.
Explosion Hazard	: Product is not explosive.
Reactivity	: Hazardous reactions will not occur under normal conditions.

5.3. Advice for firefighters

Precautionary Measures Fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Do not allow run-off from fire fighting to enter drains or water sources. Do not breathe fumes from fires or vapors from decomposition. Use water spray or fog for cooling exposed containers.
Protective equipment for firefighters	: Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products	: Carbon oxides (CO, CO ₂).

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Handle in accordance with good industrial hygiene and safety practice.

6.1.1. For non-emergency personnel

Protective Equipment	: Use appropriate personal protection equipment (PPE).
Emergency Procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

Valsure[®] Neutral Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

6.1.2. For emergency responders

- Protective equipment : Use appropriate personal protection equipment (PPE).
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For Containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Clear up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container for disposal. Spills may be picked up with a mop and followed by a water rinse. Small spills may be flushed to a sanitary sewer with copious amounts of water if in accordance with National and local regulations.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Read label before use. Avoid all eyes and skin contact and do not breathe vapor and mist. Use appropriate personal protection equipment (PPE).
Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Incompatible Products : Strong acids. Strong bases. Strong oxidizers.

7.3. Specific end use(s)

Manuel/pre-cleaning, ultrasonics, hospital washer/disinfectors and automated mechanical washer applications for processing appropriate medical devices including surgical instruments. For professional use only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency.

8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.
Personal protective equipment : Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.



- Materials for Protective Clothing : Chemically resistant materials and fabrics.
Hand protection : Wear chemically resistant protective gloves.
Eye protection : Wear chemical goggles or safety goggles.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : Not necessary under normal conditions. If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.
Consumer Exposure Controls : Do not eat, drink or smoke during use.

Valsure[®] Neutral Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, colorless liquid
Odour	: No data available
Odour threshold	: No data available
pH	: 6 - 8
Evaporation rate	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Specific Gravity	: 1.015 - 1.027 g/mL
Solubility	: Water: Completely soluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). Nitrogen oxides. Hydrogen chloride. Phosgene. Formaldehyde.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Valsure [®] Neutral Detergent	
LD50 oral rat	> 2000 mg/kg
Citric acid (77-92-9)	
LD50 Oral Rat	5400 mg/kg
LD50 Dermal Rat	> 2000 mg/kg

Skin corrosion/irritation : Causes skin irritation
pH: 6 - 8

Valsure[®] Neutral Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Serious eye damage/irritation	: Causes serious eye irritation pH: 6 - 8
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Teratogenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/Injuries After Inhalation	: May cause irritation to the respiratory tract.
Symptoms/Injuries After Skin Contact	: Causes skin irritation.
Symptoms/Injuries After Eye Contact	: Causes serious eye irritation.
Symptoms/Injuries After Ingestion	: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms	: None expected under normal conditions of use.

SECTION 12: Ecological information

12.1. Toxicity

Citric acid (77-92-9)

LC50 Fish 1	1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
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1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)

ErC50 (algae)	0.11 mg/l (72 hour)
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12.2. Persistence and degradability

Valsure[®] Neutral Detergent

Persistence and degradability	Not established.
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Citric acid (77-92-9)

Persistence and Degradability	Persistence and Degradability
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12.3. Bioaccumulative potential

Valsure[®] Neutral Detergent

Bioaccumulative potential	Not established.
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Citric acid (77-92-9)

Log Pow	Log Pow
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12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

Other Information	: Avoid release to the environment. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
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SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not regulated for transport

Valsure[®] Neutral Detergent

Safety Data Sheet

according to Regulation (EC) No. 453/2010

14.3. Transport hazard class(es)

Not regulated for transport

14.4. Packing group

Not regulated for transport

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Transport category (ADR) : Non-hazardous

14.6.2. Transport by sea

IMDG Class : Non-hazardous

14.6.3. Air transport

ICAO/IATA Class : Non-hazardous

14.6.4. Inland waterway transport

No additional information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH candidate substance

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision Date : 10/10/2018

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Full text of H- and EUH-phrases:

Comb. Dust	Combustible Dust
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit 2A	Skin corrosion/irritation Category 2A
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation

SDS EU (REACH Annex II)

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.