

## Material Safety Data Sheet

### Identification of substance

<b>Product Name</b>	Auto Dishwashing Liquid
<b>Synonyms</b>	Auto Dishwashing Liquid
<b>HS code</b>	34012030
<b>Shelf Life</b>	3 years.
<b>Packing</b>	5L/20L
<b>Application</b>	Using it with automatic dishwashing machines
<b>Manufacturer</b>	Trion Surfactants Manuf Co LLC
<b>Address</b>	New industrial area - Ajman
<b>MSDS Date</b>	28-08-2023
<b>Prepared by</b>	First Specialize Trading LLC

### Composition/Information on Ingredients

Material name	Percentage	CAS number
Caustic soda	1- 2%	1310-73-2
Sulphonic acid	9-11%	1338-43-8
Citric acid	2%	77-92-9
Filtered water	Up to 100%	7732-18-5
Preservative	0.1%	6440-58-0

### Hazards Identification

The product is not classed as a health or environmental hazard under the Chemicals (Hazard Information and Packaging) Regulations 1994. Use commonsense precautions when handling this product.

### First Aid Measures

<b>Inhalation</b>	If inhaled, get medical attention if symptoms occur.
<b>Ingestion</b>	Rinse mouth thoroughly with water; give one glass of water or milk and seek medical advice.
<b>Eye Contact</b>	When using this product avoid contact with eyes. In case of eye contact, flush with water.
<b>Skin Contact</b>	Wash affected areas with copious quantities of soap and water immediately. Remove contaminated clothing and wash it before reuse. Get medical attention if irritation develops.





## Fire Fighting Measures

### Extinguishing Media

Collect and dispose of spillage as indicated in Section 13. Do not In case of fire, appropriate extinguishing media include dry chemicals, Foam, Carbon Dioxide, and Water Fog. Use Water to keep fire-exposed containers cool and to protect personnel.

## Accidental Release Measures

### Environmental Precautions

Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

### Personal Precautions

For personal protection, see Section 8. Contaminated surfaces will be extremely slippery.

## Handling and Storage

### Handling

Apply good manufacturing practices & industrial hygiene practices, ensuring proper ventilation.

### Storage precautions

Store in a tightly closed, original container in a dry, cool, and well-ventilated place.

### Storage temperature

Room Temperature.

## Exposure Controls/Personal Protection

### Occupational exposure limits

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

### Exposure controls

- **Eye protection:** No special protective equipment is required.
- **Hand protection:** No special protective equipment is required.
- **Skin protection:** No special protective equipment is required.
- **Respiratory protection:** No personal respiratory protective equipment is normally required.
- **Hygiene measures:** Handle in accordance with good industrial hygiene and safety practices.

## Physical and Chemical Properties

Appearance	Opaque liquid	Flash Point	NA
Odour/Colour	NA	NA	NA
PH (1% solution)	3.80	S. Gravity	1.010g/cm <sup>3</sup>
Solubility	Miscible in water	Active matter	4



## Stability and Reactivity

<b>Reactivity</b>	No dangerous reaction is known under conditions of normal use.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction is known under conditions of normal use.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	Do not decompose when used and stored as recommended.

## Toxicological Information

**Routes of Exposure** Not available

## Ecological Information

### Ecotoxicity

**Environmental Effects** This product has no known ecotoxicological effects.

### Product

- **Toxicity to fish:** No data available.
- **Toxicity to daphnia and other aquatic invertebrates:** No data available.
- **Toxicity to algae:** No data available.

### Ecotoxicity

**Bio accumulative potential:** No data is available on bioaccumulation.

### Degradability

There is no data on the degradability of this product. The surfactant(s) contained in this product 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.

## Disposal Considerations / Waste treatment methods

### General information

The generation of waste should be minimized or avoided wherever possible.

### Disposal methods

The packaging must be empty (drop-free when inverted). Waste packaging should be collected for reuse or recycling. Dispose of waste to a licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## Regulatory Information

<b>General</b>	the product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
<b>UN number</b>	Not applicable.
<b>UN proper shipping name</b>	Not applicable.
<b>Transport hazard classes</b>	No transport warning sign is required.
<b>Packing group</b>	Not applicable
<b>Environmental hazards</b>	Environmentally hazardous substances/marine pollutants.
<b>Special precautions for users</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	Not applicable.

## Transport Information

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

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended). EH40/2005 Workplace exposure limits.
<b>EU legislation</b>	Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended). Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended). Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

## Other Information

### Abbreviations and acronyms used in the safety data sheet

<b>PBT</b>	Persistent, Bio accumulative and Toxic substance. vPvB: Very Persistent and Very Bio accumulative
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