SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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# AMMONIATED ULTRA-SONIC CLEANER

 (BLUE)

 Revision 6

Revision date 05/11/2024

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

1.1

. Product identifier

Product name

# AMMONIATED ULTRA-SONIC CLEANER (BLUE)

REACH

Product Use [SU21] Consumer uses: Private households; [SU22] Professional uses: Public domain; [PC35] Washing and cleaning products (including solvent based products) [PROC19] Hand-mixing with intimate contact and only PPE available [ERC8b] Wide dispersive indoor use of reactive substances in open systems

1.3

. Details of the supplier of the safety data sheet

Company

Midland Chemicals Limited

Midland House, Industrial Estate,

13A Brindley Cl, Holly Ln,

Atherstone

CV9 2GA

www.midlandchem.com

Tel. +(44) 1827 722911

Fax  +(44) 1827 722919

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Address

Web

Telephone

Fax

Email

1.4

. Emergency telephone number

Emergency telephone number

Tel. +(44) 1827 722911

Company

Midland Chemicals Limited

8:30am – 5:00pm Monday - Friday

## SECTION 2: Hazards identification

2.1

. Classification of the substance or mixture

Main hazards

Irritating to eyes, respiratory system and skin. Vapours may cause drowsiness and dizziness.

2.1.1

. Classification - EC

1272/2008

Eye Dam. 1: H318; STOT SE 3: H336;

2.2

. Label elements

Hazard pictograms

Signal Word

Danger

Precautionary Statement:

Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement:

Response

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

2.2. Label elements

|  |  |
| --- | --- |
| Precautionary Statement: StoragePrecautionary Statement: Disposal | lenses, if present and easy to do. Continue rinsing.P312 - Call a POISON CENTER/doctor/ or /if you feel unwell.P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.P337+P313 - If eye irritation persists: Get medical advice/attention. |
| P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. |
| P501 - Dispose of contents/container to requirements of local authorities |

2.3

. Other hazards

Other hazards

SPILLAGE MAY CREATE SLIP HAZARD.

## SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
| WATER |  |  |  |  | 30 - 50% |  |  |
| tetrasodium ethylenediaminetetraacetate |  | 64-02-8 | 200-573-9 | 01-2119486762-27 | 0.5 - 1% | Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319; |  |
| Ammonia solution | 007-001-01-2 | 1336-21-6 | 215-647-6 | 01-2119488876-14 | 1 - 10% | Skin Corr. 1B: H314; Aquatic Acute 1: H400; |  |
| Isopropanol (Propan-2-ol) | 603-117-00-0 | 67-63-0 | 200-661-7 | 01-2119457558-25-XXXX | 15 - 25% | SPECIFIC CONCENTRATION LIMUTSSkin Irrit. 2; : 1 % ≤ C < 5 % 7564; : C > 25 %STOT SE 3; : C ≥ 5 % Skin Corr. 1B; : C ≥ 5 %Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; |  |
| DISTILLED TALL OIL(NEUTRALISED) |  |  |  | N/A | 10 - 20% |  |  |
| ALCOHOL ETHOXYLATE |  | 68439-46-3 |  | N/A | 1 - 10% | Acute Tox. 4: H302; Eye Dam. 1: H318; |  |
| Sodium hydroxide | 011-002-00-6 | 1310-73-2 | 215-185-5 | 01-2119457892-27 | 0 - 0.5% Skin Corr. 1A: H314; |  |

## SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation May cause irritation to mucous membranes. Move the exposed person to fresh air.

Eye contact May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Skin contact May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Ingestion May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

## SECTION 5: Firefighting measures

5.1

. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2

. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3

. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Adopt best Manual Handling considerations when handling, carrying and dispensing. Ensure

adequate ventilation of the working area.

6.2

. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3

. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for

disposal. Clean spillage area thoroughly with plenty of water.

## SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

## SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Isopropanol (Propan-2-ol) | WEL 8-hr limit ppm: | 400 | WEL 8-hr limit mg/m3: | 999 |
|  | WEL 15 min limit ppm: | 500 | WEL 15 min limit mg/m3: | 1250 |
|  | WEL 8-hr limit mg/m3 total inhalable dust: | - | WEL 15 min limit mg/m3 total inhalable dust: | - |
|  | WEL 8-hr limit mg/m3 total respirable dust: | - | WEL 15 min limit mg/m3 total respirable dust: | - |
|

|  |  |
| --- | --- |
| DNEL propan-2-ol; isopropyl End Use: Workers alcohol; isopropanol Exposure routes: Skin contact  Potential health effects: Chronic effects  Exposure time: 1 d  Value: 888 mg/kg   End Use: Workers  Exposure routes: Inhalation  Potential health effects: Chronic effects  Value: 500 mg/m3   End Use: Consumers  Exposure routes: Skin contact  Potential health effects: Chronic effects  Exposure time: 1 d  Value: 319 mg/kg   End Use: Consumers  Exposure routes: Inhalation  Potential health effects: Chronic effects  Value: 89 mg/m3   End Use: Consumers  Exposure routes: Ingestion  Potential health effects: Chronic effects  Exposure time: 1 d  Value: 26 mg/kg  PNEC propan-2-ol; isopropyl Fresh water alcohol; isopropanol Value: 140.9 mg/l   Marine water  Value: 140.9 mg/l   Fresh water sediment  Value: 552 mg/kg   Marine sediment  Value: 552 mg/kg   Soil  Value: 28 mg/kg  |  |
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|  |
| · DNELs 64-02-8 tetrasodium ethylenediaminetetraacetate |
| Oral | DNEL Long-term - Systemic (consumer) | 25 mg/kg bw/day (/) |
| Inhalative | DNEL Acute - Local (consumer) | 1.5 mg/m³ (/) |
|  | DNEL Acute - Systemic (consumer) | 1.5 mg/m³ (/) |
|  | DNEL Acute - Systemic (worker) | 2.5 mg/m³ (/) |
|  | DNEL Acute - local (worker) | 2.5 mg/m³ (/) |

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|  |
| · PNECs 64-02-8 tetrasodium ethylenediaminetetraacetate |
| PNEC Fresh water | 2.2 mg/l (/) |

 |  |
| Ammonia:- |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Substance.   | CAS Number  | LTEL(8 hr TWA ppm)  | LTEL(8 hr TWA mg/m3  | STEL (ppm)  | STEL (mg/m3)  | Note:  |
| Ammonia  | 1336-21-6  |  25  |  18  |  35  |  25  | EH40 WEL 10/2007  |
| 8.1.2 Biological limit value Not established. 8.1.3 PNECs and DNELs By analogy with similar materials: Anhydrous ammonia.  |
|  DNEL  |  Oral  |  Inhalation  |  Dermal  |
| Industry-Long Term-local effects  |  -  |  14.0 mg/m3  |  -  |
| Industry-Long Term-Systemic effects  |  -  |  47.6 mg/m3  | 6.8mg/kgbw/day  |
| Industry –Short Term –Local effects  |  -  |  36.0 mg/m3  |  -  |
| Industry-Short Term-Systemic effects  |  -  |  47.6mg/m3  | 6.8mg/kgbw/day  |
| Professional -Long Term –Local effects  |  -  |  -  |  -  |
| Professional-Long Term –Systemic effects  |  -  |  -  |  -  |
| Professional-Short Term –Local effects  |  -  |  -  |  -  |
| Professional-Short Term – Systemic effects  |  -  |  -  |  -  |
| Consumer – Long Term –Local effects  |  -  |  2.8mg/m3  |  -  |
| Consumer –Long Term – Systemic effects  | 6.8mg/kg bw/day  |  23.8mg/m3  | 6.8mg/kgbw/day  |

|  |  |  |  |
| --- | --- | --- | --- |
| Consumer – Short Term – Local effects  |  -  |  7.2mg/m3  |  -  |
| Consumer – Short Term-Systemic effects  | 6.8mg/kg bw/day  |  23.8mg/m3  | 6.5mg/kgbw/day  |
|   |  PNEC  |
| Aquatic Compartment (Fresh water)  |  0.0011 mg/l.  |
| Marine Compartment  |  0.0011 mg/l.  |
| Terrestrial Compartment  |  No Data.  |
| Atmospheric Compartment  |  No Data.  |

 |
| Sodium hydroxide | WEL 8-hr limit ppm: | - | WEL 8-hr limit mg/m3: | - |
|  | WEL 15 min limit ppm: | - | WEL 15 min limit mg/m3: | 2 |
|  | WEL 8-hr limit mg/m3 total inhalable dust: | - | WEL 15 min limit mg/m3 total inhalable dust: | - |
|  | WEL 8-hr limit mg/m3 total respirable dust: | - | WEL 15 min limit mg/m3 total respirable dust: | - |

DNEL: Derived no-effect level. PRODUCT.

No data is available on this product.

8.2

. Exposure controls

8.2.1

. Appropriate engineering

controls

Ensure adequate ventilation of the working area.

8.2.2

. Individual protection

measures

Wear protective clothing.

Eye / face protection

In case of splashing, wear:. Approved safety goggles.

Skin protection -

Handprotection

Chemical resistant gloves (PVC).

Respiratory protection

Not normally required. Wear suitable respiratory equipment when necessary.

## SECTION 9: Physical and chemical properties

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| 9.1. Information on basic physical and chemical propertiesAppearance LiquidColour: ClearOdour: CharacteristicOdour threshold: Not determined.pH-value at 20 °C: 9.0 NominalMelting point: Not determined.Boiling point: Not determined.Flash point: 29oC.Nominal (But does not continue to support combustion)Flammability (solid, gaseous): Not applicable.Auto-ignition temperature: Not determined.Decomposition temperature: Not determined.Self-igniting: Not determined.Danger of explosion: Product does not present an explosion hazard.Explosion limits: Not determined.Vapour pressure: Not determined.Density at 20 °C: 0.950 NominalRelative density Not determined.Particle characteristics Not applicableVapour density Not determined.Evaporation rate Not determined.Solubility in / Miscibility with water: Fully miscible.oxidizing properties Not determined.Partition coefficient (n-octanol/water): Not determined.Viscosity: Dynamic at 20 °C: Not determined. Kinematic: Not determined.9.2. Other informationConductivity No data availableSurface tension No data availableGas group No data available |
|  |

## SECTION 10: Stability and reactivity

10.2

. Chemical stability

Stable under normal conditions.

10.4

. Conditions to avoid

Heat will increase pressure in sealed containers.

Further information

Keep away from heat as flammable vapours may be formed.

## SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity No data is available on this product. May cause dizziness and headache.

Skin corrosion/irritation Irritating to eyes, respiratory system and skin.

## SECTION 12: Ecological information

12.1

. Toxicity

No data is available on this product.

12.2

. Persistence and degradability

DETERGENTS IN THIS FORMULATION ARE >90% BIODEGRADABLE.

12.3. Bioaccumulative potential Bioaccumulation is unlikely

|  |  |
| --- | --- |
| 12.4. Mobility in soil  | Spillage unlikely to penetrate soil. The product is insoluble and floats on water. Is not likely mobile in the environment due its low water solubility. |
| 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 |
| Ozone Depletion Potential | This product does not contain any known or suspected substance |

## SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

## SECTION 14: Transport information

Further information

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

according to 1907/2006/EC, with its amendment Regulation (EU) 2015/830

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

15.2. Chemical safety assessment

No chemical Safety assessment has been carried out by the supplier.

## SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:.

12 Ecological information

Other information

|  |  |
| --- | --- |
|  | Acute Tox. 4: H302 - Harmful if swallowed.Eye Irrit. 2: H319 - Causes serious eye irritation.Carc. 2: H351 - Suspected of causing cancer .Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.Aquatic Acute 1: H400 - Very toxic to aquatic life.Flam. Liq. 2: H225 - Highly flammable liquid and vapour. STOT SE 3: H336 - May cause drowsiness or dizziness.Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.Skin Irrit. 2: H315 - Causes skin irritation. |

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.