



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

# SAFETY DATA SHEET

Autowave MM 800EC Metallic Extra Coarse

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

### 1.1 Product identifier

**Product name** : Autowave MM 800EC Metallic Extra Coarse  
**SDS code** : 001432

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

| Identified uses |
|-----------------|
| Industrial use  |

| Uses advised against |
|----------------------|
| All other uses       |

**Product use** : FOR INDUSTRIAL USE ONLY

### 1.3 Details of the supplier of the safety data sheet

Akzo Nobel Car Refinishes bv  
Rijksstraatweg 31  
2171 AJ Sassenheim  
The Netherlands  
+ 31 (0)71 308 6944  
www.sikkensvr.com

**e-mail address of person responsible for this SDS** : PSRA\_SSH@akzonobel.com

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : +44 (0)344 892 0111

#### Supplier

**Telephone number** : + 31 (0)71 308 6944

**Hours of operation** : 24 hours

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

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

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 11 for more detailed information on health effects and symptoms.

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**Date of previous issue** : No previous validation 1/16

**AkzoNobel**

## SECTION 2: Hazards identification

### 2.2 Label elements

|   |  |
|---|--|
| <b>Signal word</b>  | : No signal word.  |
| <b>Hazard statements</b>  | : No known significant effects or critical hazards.  |
| <b>Precautionary statements</b>   |  |
| <b>Prevention</b>   | : Not applicable.  |
| <b>Response</b>   | : Not applicable.  |
| <b>Storage</b>  | : Not applicable.  |
| <b>Disposal</b>   | : Not applicable.  |
| <b>Supplemental label elements</b>  | : Contains CMIT/MIT(3:1). May produce an allergic reaction.<br>Safety data sheet available on request. |
| <b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b> | :  |
| <b>Special packaging requirements</b>   |  |
| <b>Containers to be fitted with child-resistant fastenings</b>  | : Not applicable.  |
| <b>Tactile warning of danger</b>  | : Not applicable.  |

### 2.3 Other hazards

|  |   |
|--|---|
| <b>Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII</b> | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| <b>Other hazards which do not result in classification</b>   | : None known.   |

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

| Product/ingredient name       | Identifiers  | %      | Classification  | Specific Conc. Limits, M-factors and ATEs   | Type |
|-------------------------------|--|--------|---|---|------|
| Aluminium powder (stabilized) | EC: 231-072-3<br>CAS: 7429-90-5<br>Index: 013-002-00-1                               | ≤10    | Flam. Sol. 1, H228<br>Water-react. 2, H261  | -   | [1]  |
| Isopropyl alcohol             | REACH #:<br>01-2119457558-25<br>EC: 200-661-7<br>CAS: 67-63-0<br>Index: 603-117-00-0 | ≤5     | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336   | -   | [1]  |
| CMIT/MIT(3:1)                 | REACH #:<br>01-2120764691-48<br>CAS: 55965-84-9<br>Index: 613-167-00-5               | <0.001 | Acute Tox. 3, H301<br>Acute Tox. 2, H310<br>Acute Tox. 2, H330<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 | ATE [Oral] = 100 mg/kg<br>ATE [Dermal] = 50 mg/kg<br>ATE [Inhalation (dusts and mists)] = 0.05 mg/l | [1]  |

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## SECTION 3: Composition/information on ingredients

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  | <p>Aquatic Chronic 1, H410 EUH071</p> <p><b>See Section 16 for the full text of the H statements declared above.</b></p> | <p>Skin Corr. 1C, H314: C ≥ 0.6%<br/>                 Skin Irrit. 2, H315: 0.06% ≤ C &lt; 0.6%<br/>                 Eye Dam. 1, H318: C ≥ 0.6%<br/>                 Eye Irrit. 2, H319: 0.06% ≤ C &lt; 0.6%<br/>                 Skin Sens. 1, H317: C ≥ 0.0015%<br/>                 M [Acute] = 100<br/>                 M [Chronic] = 100</p> |
|--|--|--|--|--|

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

### Type

[1] Substance classified with a physical, health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains CMIT/MIT(3:1). May produce an allergic reaction.

### Over-exposure signs/symptoms

|                                |                          |         |      |
|--------------------------------|--------------------------|---------|------|
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| Date of previous issue         | : No previous validation |         | 3/16 |

## SECTION 4: First aid measures

|                     |                     |
|---------------------|---------------------|
| <b>Eye contact</b>  | : No specific data. |
| <b>Inhalation</b>   | : No specific data. |
| <b>Skin contact</b> | : No specific data. |
| <b>Ingestion</b>    | : No specific data. |

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

|                            |   |
|----------------------------|---|
| <b>Notes to physician</b>  | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| <b>Specific treatments</b> | : No specific treatment.  |

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

|                                       |   |
|---------------------------------------|---|
| <b>Suitable extinguishing media</b>   | : Use an extinguishing agent suitable for the surrounding fire. |
| <b>Unsuitable extinguishing media</b> | : None known.   |

### 5.2 Special hazards arising from the substance or mixture

|  |  |
|--|--|
| <b>Hazards from the substance or mixture</b> | : In a fire or if heated, a pressure increase will occur and the container may burst.                                    |
| <b>Hazardous combustion products</b>         | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>metal oxide/oxides |

### 5.3 Advice for firefighters

|   |   |
|---|---|
| <b>Special protective actions for fire-fighters</b>   | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| <b>Special protective equipment for fire-fighters</b> | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

|                                    |   |
|------------------------------------|---|
| <b>For non-emergency personnel</b> | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| <b>For emergency responders</b>    | : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |

### 6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

|                                       |                          |                |      |
|---------------------------------------|--------------------------|----------------|------|
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| <b>Date of previous issue</b>         | : No previous validation |                | 4/16 |

## SECTION 6: Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

| Product/ingredient name | Exposure limit values   |
|-------------------------|---|
| Isopropyl alcohol       | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>STEL: 1250 mg/m <sup>3</sup> 15 minutes.<br>STEL: 500 ppm 15 minutes.<br>TWA: 999 mg/m <sup>3</sup> 8 hours.<br>TWA: 400 ppm 8 hours. |

## SECTION 8: Exposure controls/personal protection

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

| Product/ingredient name       | Type | Exposure              | Value                  | Population         | Effects  |
|-------------------------------|------|-----------------------|------------------------|--------------------|----------|
| Aluminium powder (stabilized) | DNEL | Long term Inhalation  | 3.72 mg/m <sup>3</sup> | Workers            | Local    |
|                               | DNEL | Long term Inhalation  | 3.72 mg/m <sup>3</sup> | Workers            | Systemic |
| Isopropyl alcohol             | DNEL | Long term Oral        | 3.95 mg/kg bw/day      | General population | Systemic |
|                               | DNEL | Long term Oral        | 26 mg/kg bw/day        | General population | Systemic |
|                               | DNEL | Long term Inhalation  | 89 mg/m <sup>3</sup>   | General population | Systemic |
|                               | DNEL | Long term Dermal      | 319 mg/kg bw/day       | General population | Systemic |
| CMIT/MIT(3:1)                 | DNEL | Long term Inhalation  | 500 mg/m <sup>3</sup>  | Workers            | Systemic |
|                               | DNEL | Long term Dermal      | 888 mg/kg bw/day       | Workers            | Systemic |
|                               | DNEL | Long term Inhalation  | 0.02 mg/m <sup>3</sup> | General population | Local    |
|                               | DNEL | Long term Inhalation  | 0.02 mg/m <sup>3</sup> | Workers            | Local    |
|                               | DNEL | Short term Inhalation | 0.04 mg/m <sup>3</sup> | General population | Local    |
|                               | DNEL | Short term Inhalation | 0.04 mg/m <sup>3</sup> | Workers            | Local    |
|                               | DNEL | Long term Oral        | 0.09 mg/kg bw/day      | General population | Systemic |
|                               | DNEL | Short term Oral       | 0.11 mg/kg bw/day      | General population | Systemic |

### PNECs

No PNECs available

## 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 8: Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time >480 minutes according to EN374) is recommended. Recommended gloves: Viton ® or Nitrile, thickness ≥ 0.38 mm. When only brief contact is expected, a glove with protection class of 2 or higher (breakthrough time >30 minutes according to EN374) is recommended. Recommended gloves: Nitrile, thickness ≥ 0.12 mm. Gloves should be replaced regularly and if there is any sign of damage to the glove material.
- The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.
- The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Liquid.
- Colour** : Silver.
- Odour** : Not available.
- Odour threshold** : Not available.
- Melting point/freezing point** : Not available.
- Boiling point, initial boiling point, and boiling range** : 83°C (181.4°F)
- Flammability** : Not available.
- Lower and upper explosion limit** : Not applicable.
- Flash point** :

## SECTION 9: Physical and chemical properties

Closed cup: 56°C (132.8°F) [Pensky-Martens] [Product does not sustain combustion.]

**Auto-ignition temperature** :

| Ingredient name   | °C  | °F    | Method |
|-------------------|-----|-------|--------|
| Isopropyl alcohol | 456 | 852.8 |        |

**Decomposition temperature** : Not available.

**pH** : 8 [Conc. (% w/w): 100%] [DIN EN 1262]

**Viscosity** : Kinematic: 983 mm<sup>2</sup>/s [DIN EN ISO 3219]

**Solubility(ies)** :

Not available.

**Partition coefficient: n-octanol/ water** : Not applicable.

**Vapour pressure** :

| Ingredient name   | Vapour Pressure at 20 °C |     |        | Vapour pressure at 50 °C |     |        |
|-------------------|--------------------------|-----|--------|--------------------------|-----|--------|
|                   | mm Hg                    | kPa | Method | mm Hg                    | kPa | Method |
| Isopropyl alcohol | 33                       | 4.4 |        |                          |     |        |
| water             | 23.8                     | 3.2 |        |                          |     |        |

**Relative density** : 1.048 [ISO 8130-2/-3]

**Vapour density** : Not available.

### Particle characteristics

**Median particle size** : Not applicable.

**Percentage of particles with aerodynamic diameter ≤ 10** : 0

µm

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : No specific data.

**10.5 Incompatible materials** : No specific data.

**10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.



## SECTION 11: Toxicological information

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

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains CMIT/MIT(3:1). May produce an allergic reaction.

#### Acute toxicity

| Product/ingredient name | Result               | Species    | Dose        | Exposure |
|-------------------------|----------------------|------------|-------------|----------|
| Isopropyl alcohol       | LC50 Inhalation Gas. | Rat        | 16000 ppm   | 8 hours  |
|                         | LD50 Dermal          | Rabbit     | 12800 mg/kg | -        |
|                         | LD50 Intraperitoneal | Guinea pig | 2560 mg/kg  | -        |
|                         | LD50 Intraperitoneal | Mouse      | 4477 mg/kg  | -        |
|                         | LD50 Intraperitoneal | Rabbit     | 667 mg/kg   | -        |
|                         | LD50 Intraperitoneal | Rat        | 2735 mg/kg  | -        |
|                         | LD50 Intravenous     | Mouse      | 1509 mg/kg  | -        |
|                         | LD50 Intravenous     | Rabbit     | 1184 mg/kg  | -        |
|                         | LD50 Intravenous     | Rat        | 1088 mg/kg  | -        |
|                         | LD50 Oral            | Mouse      | 3600 mg/kg  | -        |
|                         | LD50 Oral            | Mouse      | 3600 mg/kg  | -        |
|                         | LD50 Oral            | Rabbit     | 6410 mg/kg  | -        |
|                         | LD50 Oral            | Rat        | 5045 mg/kg  | -        |
|                         | LD50 Oral            | Rat        | 5000 mg/kg  | -        |

**Conclusion/Summary** : Not available.

#### Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| CMIT/MIT(3:1)           | 100          | 50             | N/A                      | N/A                         | 0.05                                |

#### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure        | Observation |
|-------------------------|--------------------------|---------|-------|-----------------|-------------|
| Isopropyl alcohol       | Eyes - Moderate irritant | Rabbit  | -     | 10 mg           | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 mg | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 100 mg          | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 500 mg          | -           |

**Conclusion/Summary** : Not available.

#### Sensitisation

**Conclusion/Summary** : Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

## SECTION 11: Toxicological information

### Carcinogenicity

Conclusion/Summary : Not available.

### Reproductive toxicity

Conclusion/Summary : Not available.

### Teratogenicity

Conclusion/Summary : Not available.

### Specific target organ toxicity (single exposure)

| Product/ingredient name | Category   | Route of exposure | Target organs    |
|-------------------------|------------|-------------------|------------------|
| Isopropyl alcohol       | Category 3 | -                 | Narcotic effects |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

Information on likely routes of exposure : Not available.

### Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

#### Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

#### Potential chronic health effects

Not available.

Conclusion/Summary : Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

## SECTION 11: Toxicological information

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

Not available.

#### 11.2.2 Other information

No additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

There are no data available on the mixture itself.  
Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment, but contains substance(s) hazardous to the environment. See section 3 for details.

| Product/ingredient name              | Result                               | Species                                 | Exposure |
|--------------------------------------|--------------------------------------|---|----------|
| Aluminium powder (stabilized)        | Acute LC50 38000 µg/l Fresh water    | Daphnia - Daphnia magna                 | 48 hours |
|                                      | Acute LC50 1130 µg/l Fresh water     | Fish - Cobitidae - Fry                  | 96 hours |
|                                      | Acute LC50 260 µg/l Fresh water      | Fish - Ctenopharyngodon idella - Fry    | 96 hours |
|                                      | Acute LC50 310 µg/l Fresh water      | Fish - Oncorhynchus mykiss - Embryo     | 96 hours |
|                                      | Acute LC50 160 µg/l Fresh water      | Fish - Oncorhynchus mykiss - Embryo     | 96 hours |
|                                      | Acute LC50 120 µg/l Fresh water      | Fish - Oncorhynchus mykiss - Embryo     | 96 hours |
|                                      | Chronic NOEC 9 mg/l Fresh water      | Aquatic plants - Ceratophyllum demersum | 3 days   |
| Isopropyl alcohol                    | Chronic NOEC 9 mg/l Fresh water      | Aquatic plants - Ceratophyllum demersum | 3 days   |
|                                      | Acute EC50 10100 mg/l Fresh water    | Daphnia - Daphnia magna                 | 48 hours |
|                                      | Acute EC50 7550 mg/l Fresh water     | Daphnia - Daphnia magna - Neonate       | 48 hours |
|                                      | Acute EC50 9550 mg/l Fresh water     | Fish - Pimephales promelas              | 96 hours |
|                                      | Acute LC50 1400000 µg/l Marine water | Crustaceans - Crangon crangon           | 48 hours |
|                                      | Acute LC50 6550000 µg/l Fresh water  | Fish - Pimephales promelas              | 96 hours |
|                                      | Acute LC50 9640000 µg/l Fresh water  | Fish - Pimephales promelas              | 96 hours |
| Acute LC50 10400000 µg/l Fresh water | Fish - Pimephales promelas           | 96 hours                                |          |
| Acute LC50 4200 mg/l Fresh water     | Fish - Rasbora heteromorpha          | 96 hours                                |          |

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

### 12.3 Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| Isopropyl alcohol       | 0.05               | -   | low       |

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

## SECTION 12: Ecological information

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

Not available.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
- Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
- Disposal considerations** : Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

#### European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

| Waste code   | Waste designation  |
|--------------|--|
| EWC 08 01 12 | waste paint and varnish other than those mentioned in 08 01 11 |

#### Packaging

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Disposal considerations** : Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.
- Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

|                                 | ADR/RID        | IMDG           | IATA           |
|---------------------------------|----------------|----------------|----------------|
| 14.1 UN number or ID number     | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name    | -              | -              | -              |
| 14.3 Transport hazard class(es) | -              | -              | -              |
| 14.4 Packing group              | -              | -              | -              |
| 14.5 Environmental hazards      | No.            | No.            | No.            |

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments** : Not applicable.

## SECTION 15: Regulatory information

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

### UK (GB) /REACH

#### Annex XIV - List of substances subject to authorisation

##### Annex XIV

None of the components are listed.

##### Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

### Other EU regulations

**VOC** : The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

**VOC for Ready-for-Use Mixture** : Not available.

**Industrial emissions (integrated pollution prevention and control) - Air** : Listed

## SECTION 15: Regulatory information

**Industrial emissions (integrated pollution prevention and control) - Water** : Listed

### Ozone depleting substances (1005/2009/EU)

Not listed.

### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

### Persistent Organic Pollutants

Not listed.

### Seveso Directive

This product is not controlled under the Seveso Directive.

### National regulations

#### Biocidal products regulation

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### Montreal Protocol

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Rotterdam Convention on Prior Informed Consent (PIC)


Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

**15.2 Chemical safety assessment** : No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

 Indicates information that has changed from previously issued version.

### **Abbreviations and acronyms**

: ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
N/A = Not available  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
SGG = Segregation Group  
vPvB = Very Persistent and Very Bioaccumulative

### **Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

| Classification  | Justification |
|-----------------|---------------|
| Not classified. |               |

### **Full text of abbreviated H statements**

**Date of issue/Date of revision** : 23-5-2024 **Version** : 1  
**Date of previous issue** : No previous validation 14/16

## SECTION 16: Other information

|  |   |
|--|---|
| H225<br>H301<br>H310<br>H314<br>H317<br>H318<br>H319<br>H330<br>H336<br>H400<br>H410<br>EUH071 | Highly flammable liquid and vapour.<br>Toxic if swallowed.<br>Fatal in contact with skin.<br>Causes severe skin burns and eye damage.<br>May cause an allergic skin reaction.<br>Causes serious eye damage.<br>Causes serious eye irritation.<br>Fatal if inhaled.<br>May cause drowsiness or dizziness.<br>Very toxic to aquatic life.<br>Very toxic to aquatic life with long lasting effects.<br>Corrosive to the respiratory tract. |
|--|---|

### Full text of classifications [CLP/GHS]

|   |   |
|---|---|
| Acute Tox. 2<br>Acute Tox. 3<br>Aquatic Acute 1<br>Aquatic Chronic 1<br>Eye Dam. 1<br>Eye Irrit. 2<br>Flam. Liq. 2<br>Skin Corr. 1C<br>Skin Sens. 1A<br>STOT SE 3 | ACUTE TOXICITY - Category 2<br>ACUTE TOXICITY - Category 3<br>SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2<br>FLAMMABLE LIQUIDS - Category 2<br>SKIN CORROSION/IRRITATION - Category 1C<br>SKIN SENSITISATION - Category 1A<br>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |
|---|---|

|  |                          |
|--|--------------------------|
| <b>Date of printing</b>                | : 23-5-2024              |
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### Notice to reader

#### FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE: The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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**Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758**

*Autowave MM 800EC Metallic Extra Coarse*