

## SAFETY DATA SHEET

2-METHYLISOTHIAZOL-3-ONE HYDROCHLORIDE

Page: 1

Compilation date: 17/12/2021

Revision date: 13/03/2023

Revision No: 2

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

#### 1.1. Product identifier

**Product name:** 2-METHYLISOTHIAZOL-3-ONE HYDROCHLORIDE

**CAS number:** 26172-54-3

**Product code:** OR480577

**Synonyms:** 2-METHYLISOTHIAZOL-3(2H)-ONEHYDROCHLORIDE

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

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

**Company name:** Apollo Scientific Ltd

Units 3 & 4

Parkway

Denton

Manchester

M34 3SG

UK

**Tel:** 01616411420

**Email:** alan.myers@apolloscientific.co.uk

#### 1.4. Emergency telephone number

**Emergency tel:** -

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Corr. 1B: H314;  
Skin Sens. 1B: H317

**Most important adverse effects:** Toxic if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H301: Toxic if swallowed.

H314: Causes severe skin burns and eye damage.

# SAFETY DATA SHEET

2-METHYLISOTHIAZOL-3-ONE HYDROCHLORIDE

Page: 2

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

**Hazard pictograms:** GHS05: Corrosion

GHS06: Skull and crossbones

GHS09: Environmental



**Signal words:** Danger

**Precautionary statements:** P260: Do not breathe dust.

P271: Use only outdoors or in a well-ventilated area.

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

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** 2-METHYLISOTHIAZOL-3-ONE HYDROCHLORIDE

**CAS number:** 26172-54-3

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

[cont...]

# SAFETY DATA SHEET

2-METHYLISOTHIAZOL-3-ONE HYDROCHLORIDE

Page: 3

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Dry chemical powder. Carbon dioxide.

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

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Notify the police and fire brigade immediately. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air. Only use in fume hood.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

[cont...]

# SAFETY DATA SHEET

2-METHYLISOTHIAZOL-3-ONE HYDROCHLORIDE

Page: 4

**Suitable packaging:** Must only be kept in original packaging.

## 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Solid

**Colour:** White

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** No data available.

**Viscosity:** No data available.

**Boiling point/range°C:** No data available.

**Melting point/range°C:** 165-170

**Flammability limits %: lower:** No data available.

**upper:** No data available.

**Flash point°C:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** No data available.

**Vapour pressure:** No data available.

**Relative density:** 1.551

**pH:** No data available.

**VOC g/l:** No data available.

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

[cont...]

# SAFETY DATA SHEET

2-METHYLISOTHIAZOL-3-ONE HYDROCHLORIDE

Page: 5

## 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

## 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

## 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 3)	ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Sensibilisatie van de luchtwegen/de huid	-	Gevaarlijk: berekend

### Symptomen / blootstellingsroutes

**Kontakt met huid:** Blaarvorming kan optreden. Indien er geen onmiddellijke behandeling plaats vindt zal er zich een steeds verergerende verzwering voordoen.

**Kontakt met ogen:** Er kunnen zich brandwonden op het hoornvlies voordoen. Kan permanente schade veroorzaken.

**Inslikken:** Er kunnen zich korrosieve brandwonden rond de lippen voordoen. Het overgeven van bloed kan optreden. De patiënt kan bloeden uit mond of neus.

**Inademen:** De patiënt kan kortademig worden en een brandend gevoel in de keel hebben. Blootstelling kan hoesten of hijgen tot gevolg hebben.

## Rubriek 12: Ecologische informatie

### 12.1. Toxiciteit

**Ekotoxiciteit:** Geen gegevens beschikbaar.

### 12.2. Persistentie en afbreekbaarheid

**Persistentie en afbraak:** Data not yet available

[vervolgd..]

**VEILIGHEIDSINFORMATIEBLAD**  
2-METHYLISOTHIAZOL-3-ONE HYDROCHLORIDE

Pagina: 6

**12.3. Bioaccumulatie**

**Mogelijke bioaccumulatie:** Geen gegevens beschikbaar.

**12.4. Mobiliteit in de bodem**

**Mobiliteit:** DATA NOT YET KNOWN

**12.5. Resultaten van PBT- en zPzB-beoordeling**

**PBT:** Deze substantie wordt niet geïdentificeerd als een PBT/vPvB-substantie.

**12.6. Andere schadelijke effecten**

**Andere schadelijke effecten:** DATA NOT YET KNOWN

**Rubriek 13: Instructies voor verwijdering**

**13.1. Afvalverwerkingsmethoden**

**Verwijderingshandelingen:** MATERIAAL MOET WORDEN VERWIJDERD IN OVEREENSTEMMING MET LOKALE, STAATS- EN FEDERALE VOORSCHRIFTEN

**Verwijderen van verpakking:** Dispose of as special waste in compliance with local and national regulations Observe all federal, state and local environmental regulations.

**Opmerking:** De gebruiker wordt opmerkzaam gemaakt op de mogelijke regionale of nationale voorschriften met betrekking tot verwijdering.

**Rubriek 14: Informatie met betrekking tot het vervoer**

**14.1. VN-nummer**

**UN Nr:** UN2923

**14.2. Juiste ladingnaam overeenkomstig de modelreglementen van de VN**

**Juiste ladingnaam:** BIJTENDE VASTE STOF, GIFTIG, N.E.G.

**14.3. Transportgevarenklasse(n)**

**Transportklasse:** 8 (6.1)

**14.4. Verpakkingsgroep**

**Verpakkingsgroep:** I

**14.5. Milieugevaren**

**Milieugevaarlijk:** Ja

**Mariene verontreiniging:** Nee

**14.6. Bijzondere voorzorgen voor de gebruiker**

**Tunnelcode:** E

**Transportcategorie:** 1

**Rubriek 15: Regelgeving**

[vervolgd..]

**VEILIGHEIDSINFORMATIEBLAD**  
2-METHYLISOTHIAZOL-3-ONE HYDROCHLORIDE

Pagina: 7

**15.1. Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel**

**Specifieke voorschriften:** Niet van toepassing.

**15.2. Chemischeveiligheidsbeoordeling**

**Chemischeveiligheidsbeoordeling:** De leverancier heeft geen chemische veiligheidsbeoordeling uitgevoerd voor de stof of het mengsel.

**Rubriek 16: Overige informatie**

**Overige informatie**

**Overige informatie:** overeenkomstig Verordening (EG) nr. 1907/2006 (REACH) met de aanvullende Verordening (EU) 2015/830

\*Geeft tekst in het Veiligheidsblad aan die sinds de laatste herziening is gewijzigd.

**Zinnen van deel 2 / 3:** H301: Toxic if swallowed.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

**Wettelijke ontkenning:** De hierboven vermelde informatie wordt verondersteld juist te zijn, maar vormt geen uitputtende opsomming en dient alleen als richtlijn gebruikt te worden. Deze firma kan niet aansprakelijk worden gehouden voor schade die het resultaat is van het hanteren van het hierboven vermelde produkt.