

SAFETY DATA SHEET



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1) Identification of the substance/mixture and of the company/undertaking

1.1	<u>Production Identifier</u> Product name	Ican MIO
1.2	<u>Relevant identified uses of the substance or mixture and uses advised against</u> Identified uses	Paint
1.3	<u>Details of the supplier of the safety data sheet</u>	eicó Paints Limited 861 - 863 Fulham Road London, UK - SW6 5HP +0845 073 9432
1.4	<u>Emergency telephone number</u>	Contact National Centre via Hospital or Registered Medical Practitioner.

2) Hazards identification

2.1	<u>Classification of the substance or mixture</u>	
	Physical hazards	Not classified
	Health hazards	Aquatic Chronic 3:
	Environmental hazards	Not classified
2.2	<u>Label elements</u>	Labelling according to Regulation (EC) No. 1272/2008 [CLP]
	Precautionary statements H412 P273	Harmful to aquatic organisms Avoid release into environment
	Special rules for supplemental label elements for certain mixtures EUH208	Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE; A mixture of: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3 ONE & 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1). May produce an allergic reaction.
2.3	<u>Other hazards</u>	This product does not contain any substances classified as PBT or vPvB.

3) Composition/Information on Ingredients

3.1	<u>Mixtures</u>	
	Hazardous ingredients ZIN(PHOSPHATE) EC No: 231-944-3; CAS No:7779-90-0	
	Weight fraction:	>1 - <2,5%
	Classification 1272/2008[CLP]	Aquatic Acute 1:H400 Aquatic Chronic 1:H410

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2-BUTOXYETHANOL; EC No: 203-905-0; CAS No: 111-76-2

Weight fraction: >1 - <2,5%

Classification 1272/2008[CLP]: Acute Tox 4: H302; Acute Tox. 4: H412; Acute Tox. 4: H332;
Skin Irrit. 2: H315; Eye Irrit. 2: H319

BIS-(2-PHENOXYETHYL)-FORMALDEHYDE; CAS No: 13879-32-8

Weight fraction: <1%

Classification 1272/2008[CLP]: Aquatic Chronic 2: H411

Additional information

Full text of R-, H- and EUH-phrases: see section 16.

4) First-aid measures

4.1 Description of first-aid measures

General

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Inhalation

In case of inhalation remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped administer artificial respiration

Ingestion

If accidentally swallowed, rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not wash with Solvents/Thinner.

Eye contact

Rinse immediately with plenty of water. Remove contact lenses if present and easy to do. Get medical attention if irritation persists after washing.

4.2 Most important symptoms and effects, both acute and delayed

No information available

4.3 Indication of any immediate medical attention and specific treatment needed

None

5) Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, carbon dioxide (CO₂), extinguishing powder, water mist.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire

5.2 Special hazards arising from the substance or mixture
Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard

Hazardous combustion products
Carbon monoxide, Carbon dioxide (CO₂) and Nitrogen oxides (NO_x).

5.3 Advice for firefighters

Protective actions during firefighting
Cool containers exposed to heat with a water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters
Use suitable breathing apparatus.

6) Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Remove all sources of ignition. Do not inhale the vapours. See protective measures under point 7 and 8.

6.2 Environmental precautions
Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and materials for containing and cleaning up
Prevent spread over a wide area (e.g. by containment or oil barriers). Clear spills immediately. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean with detergents. Avoid solvent cleaners.

6.4 Reference to other sections
None

7) Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin, eyes and clothes. Do not breathe gas/vapour/aerosol. When using do not eat, drink or smoke. See chapter 8 of the safety data sheet (Personal protection equipment).
Never use pressure to empty container. Comply with the healthy and safety at work laws. Do not allow to enter groundwater, surface water or drains, even not in small quantities.

7.2 Conditions for safe storage, including any incompatibilities
Packaging materials
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Requirements for storage rooms and vessels
Keep container tightly closed and in a well-ventilated place. Store between +5 and 35°C in a dry, well-ventilated place away from sources of heat and direct sunlight. When using do not smoke. Only allow access to authorised staff. Prevent leaks and prevent soil/water pollution caused by leaks.

- 7.3 Specific end uses
The identified uses for this product are detailed in Section 1.2.

8) Exposure Controls/personal protection

- 8.1 Control parameters
- Occupational exposure limits
2-BUTOXYETHANOL; CAS No: 111-76-2
- | | |
|---------------------------------------|--------------------------------|
| Limit value type (country of origin): | TRGS 900 (D) |
| Limit value: | 20 ppm / 98 mg/m ³ |
| Peak limitation: | 4(l) |
| Remark: | H, Y |
| Version: | 06-11-2015 |
| Limit value type (country of origin): | STEL (EC) |
| Limit value: | 50 ppm / 246 mg/m ³ |
| Remark: | H |
| Version: | 08-06-2000 |
| Limit value type (country of origin): | TWA (EC) |
| Limit value: | 20 ppm / 98 mg/m ³ |
| Remark: | H |
| Version: | 08-06-2000 |
- Biological limit value
2-BUTOXYETHANOL; CAS No: 111-76-2
- | | |
|---------------------------------------|--|
| Limit value type (country of origin): | TRGS 903 (D) |
| Parameter: | Butoxyacetic acid / Urine (U) / After prolonged exposure: after several prior shift services |
| Limit Value: | 100mg/l |
| Version: | 31/03/2004 |

- 8.2 Exposure controls
Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

Personal protection equipment Eye/face protection

Suitable eye protection
Use tightly fitting safety glasses.

Skin protection

Hand protection - Chemical resistant safety shoes
Suitable material : NBR (Nitrile rubber)
Required properties : DIN EN 374
Breakthrough time (maximum wearing time): 480 min
Thickness of the glove material : ±0.1 / 0.4 mm
Additional hand protection measures : Check protective gloves before each use concerning their normal condition. Use skin cleaning and skin care products after using the gloves
Body protection: not required.

Respiratory protection

By spraying: air fed respirator. By other operations than spraying: in well ventilated areas, airfed respirators could be replaced by a combination of charcoal filter and particulate filter mask

Environmental exposure controls

Do not allow to enter into surface water or drains.

9) Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Metallic
Odour	Noticeable
Solubility	In water
PH value	7 -9
Flash point	>100 °C
Density (20 °C)	1 - 1,1 g/cm ³
Water solubility (20 °C)	100 Wt %
Viscosity (20 °C)	ca. 4750 mPa·s

9.2 Other information

Volatile organic compounds EU(cat A/d): 130g/l. 2010. This product contains less than 100g/litre VOC.

10) Stability and reactivity

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3 Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x).

11) Toxicological Information

11.1 Information on toxicological effects

No information available.

12) Ecological Information

Avoid release to the environment. Refer to special instructions/safety data sheet.

12.1 Toxicity

No data recorded.



- 12.2 Persistence and degradability
No data recorded.
- 12.3 Bioaccumulative potential
No data recorded.
- 12.4 Mobility in soil
No data recorded.
- 12.5 Results of PBT and vPvB assessment
No data recorded.
- 12.6 Other adverse effects
None known.

13) Disposal considerations

Waste treatment methods

Avoid release to the environment. Refer to special instructions/safety data sheet. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste. Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

14) Transport Information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

UN Number

Not applicable

UN proper shipping name

Not applicable

Transport hazard class(es)

Not applicable

Packing group

Not applicable

Environmental hazards

Environmentally hazardous substances/marine pollutant

No

Special precautions for user

Not applicable

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

Not applicable

15) Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Legislation
 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) (as amended).
 Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
- 15.2 Chemical safety assessment
 No chemical safety assessment has been carried out.

16) Other information

Date of issue: 01.03.2020 (No Revision)
 Version: 3

- 16.1 Abbreviations and acronyms
- | | |
|--------|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ASTM | American Society of Testing and Materials (US) |
| CAS No | Chemical Abstracts Service Number (see ACS - American Chemical Society) |
| DNEL | Derived No-Effect Level |
| DT50 | Time for 50% loss; half-life |
| EbC50 | Median effective concentration (biomass, e.g. of algae) |
| EC50 | Median effective concentration |
| EINECS | European Inventory of Existing Commercial Chemical Substance |
| ELINCS | European List of Notified (New) Chemicals (see Tab 7, Background - Guide) |
| ErC50 | Median effective concentration (growth rate, e.g. of algae) |
| EWC | European Waste Catalogue |
| IATA | International Air Transport Association |
| IC50 | Concentration that produces 50% inhibition |
| IMDG | International Maritime Dangerous Goods Code |
| IMO | International Maritime Organization |
| LC50 | Concentration required to kill 50% of test organisms |
| LD50 | Dose required to kill 50% of test organisms |
| LEL | Lower Explosive Limit/Lower Explosion Limit |
| LOAEL | Lowest observed adverse effect level |
| MRL | Maximum Residue Limit |
| NOAEL | No Observed Adverse Effect Level |
| NOEC | No observed effect concentration |
| NOEL | No Observable Effect Level |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, Bioaccumulative or Toxic |
| PNEC | Predicted Non Effect Concentration |
| STEL | Short-Term Exposure Limit |
| TWA | Time-Weighted Average |
| vPvB | Very Persistent and Very Bioaccumulative |
- 16.2 Relevant R-, H- and EUH-phrases (Number and full text)
- | | |
|------|---|
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H311 | Toxic in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic skin reaction |

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- H318 Causes serious eye damage
- H319 Causes serious eye irritation
- H331 Toxic if inhaled
- H373 May cause damage to organs through prolonged or repeated exposure
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects

- R21 Harmful in contact with skin
- R22 Harmful if swallowed
- R23 Toxic by inhalation
- R24 Toxic in contact with skin
- R25 Toxic if swallowed
- R34 Causes burns
- R36 Irritating to eyes
- R38 Irritating to skin
- R41 Risk of serious damage to eyes
- R43 May cause sensitisation by skin contact
- R48 Danger of serious damage to health by prolonged exposure
- R50 Very toxic to aquatic organisms
- R53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

EUH208 Contains 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE[EC No. 247-500-7] & 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no 220-239-6] (3:1). May produce an allergic reaction.

Disclaimer

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 process. Such information is to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.