



## Safety Data Sheet

Complies with Annex II of REACH – Regulation (EU) 2020/878

### 1. Identification of the substance or mixture and of the company/firm

#### 1.1. Product Identifier

Name: VOLTAIKA  
Product code: E0002046-E0002047-E0002006

#### 1.2. Relevant identified uses of the substance or mixture and uses not recommended

Description/Use: Reflective paint

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

Company name MATCO S.R.L.  
Address Via Quadrelli, 69  
Location and country 37055 Ronco all'Adige VR – Italy  
Tel. +39 045.6608111  
Fax +39 045.6608177

Email of person in charge  
of the Safety

Data Sheet info@matcosrl.com

Supplier: MATCO S.R.L.

#### 1.4. Emergency telephone number

For urgent information, contact the Poison Control Centers (CAV):

CAV “Ospedale Pediatrico Bambino Gesù” – Roma Tel. (+39) 06.6859.3726  
CAV “Azienda Ospedaliera Università di Foggia” – Foggia Tel. 800.183.459  
CAV “Azienda Ospedaliera A. Cardarelli” – Napoli Tel. (+39) 081.545.3333  
CAV Policlinico “Umberto I” – Roma Tel. (+39) 06.4997.8000  
CAV Policlinico “A. Gemelli” – Roma Tel. (+39) 06.305.4343  
CAV Azienda Ospedaliera “Careggi” U.O. Tossicologia Medica – Firenze Tel. (+39) 055.794.7819  
CAV Centro Nazionale di Informazione Tossicologica – Pavia Tel. (+39) 0382.24.444  
CAV Ospedale Niguarda – Milano Tel. (+39) 02.66.1010.29  
CAV Azienda Ospedaliera Papa Giovanni XXIII – Bergamo Tel. 800.88.33.00  
CAV Centro antiveneni Veneto – Verona Tel. 800.011.858

### 2. Identification of hazards

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

The product is not classified as hazardous pursuant to the provisions of Directives 67/548/EEC and 1999/45/EC and/or Regulation (EC) 1272/2008 (CLP) (and subsequent amendments).

#### 2.2. Label elements

Pictograms	not applicable
Warnings	not applicable
Hazard indications	not applicable
Safety advice	<b>P102</b> Keep out of reach of children. <b>P260</b> Do not breathe gas/vapour/spray. <b>P262</b> Avoid contact with eyes, skin or clothing. <b>P391</b> Collect spillage. <b>EUH208</b> 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 cause an allergic reaction.

**2.3. Other hazards**

Results of PBT and vPvB assessment:

- PBT: not applicable
- vPvB : not applicable.

**3. Composition/information on ingredients****3.1. Substances**

Information not relevant.

**3.2. Mixtures**

Contains Preservative/Biocide: 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 cause an allergic reaction.

Dangerous substances	Classification 1272/2008 (CLP)	X=Conc %
CAS: 55965-84-9 CE numbers: 611-341-5 Index number: 613-167-00-5	Mixture of: 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) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Corr.1C; H314: C ≥ 0,6 % Skin Irrit. 2; H315: 0,06 % ≤ C < 0,6 % Eye Dam. 1; H318: C ≥ 0,6 % Eye Irrit. 2; H319: 0,06 % ≤ C < 0,6 % Skin Sens. 1A; H317: C ≥ 0,0015 %	≥0,090-<0,110%

The complete text of the hazard indications (H) is shown in section 16 of the sheet.

**4. First aid measures****4.1. Description of first aid measures**

Not specifically necessary. Observance of good industrial practices is recommended in any case.

**4.2. Main symptoms and effects, both acute and delayed**

There are no known episodes of damage to health attributable to the product.

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

No information available.

**5. Fire-fighting measures****5.1. Extinguishing media**

SUITABLE EXTINGUISHING MEDIA

The suitable extinguishing media are the traditional forms: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEDIA

None in particular.

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

HAZARDS CAUSED BY EXPOSURE IN CASE OF FIRE

Avoid inhaling combustion products (carbon oxides, toxic pyrolysis products, etc.).

**5.3. Recommendations for firefighters**

GENERAL INFORMATION

Cool containers with water jets to avoid decomposition of the product and the production of substances that pose a potential health risk. Always wear full fire protection equipment. Collect extinguishing water to prevent it from draining into the sewers. Dispose of contaminated water used for extinguishing and the remains of the fire in compliance with the applicable regulations.



## EQUIPMENT

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with bands around the arms, legs and waist), work gloves (fireproof, cut proof and dielectric), an overpressure mask with face shield covering the whole of the operator's face or SCBA (oxygen mask) in the event of large quantities of smoke.

## 6. Measures in case of accidental emission

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

If fumes or powders are released into the air, adopt respiratory protection. Use suitable protective clothing.

### 6.2. Environmental precautions

Prevent the product from entering sewers, surface water, ground water or neighbouring areas.

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

Confine using earth or inert material. Remove most of the material and eliminate the remainder using jets of water. The disposal of contaminated material must be carried out in compliance with the provisions of point 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Store in labeled sealed containers.

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

Normal storage conditions with no particular incompatibilities. Water based product. Not frost resistant. Store at temperatures not lower than 0° C.

### 7.3. Specific end uses

No information available.

## 8. Exposure/personal protection control

### 8.1. Control parameters

No information available.

### 8.2. Exposure controls

Observe the usual precautionary measures for handling chemicals.

#### RESPIRATORY PROTECTION

Not required.

#### EYE PROTECTION

Use protective glasses.

#### HAND PROTECTION

Use suitable gloves.

#### SKIN PROTECTION

The use of barrier creams is recommended.

## 9. Physical and chemical properties

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

Appearance	liquid
Colour	extra white
Odour	weak
Odour threshold	NA (not available).
pH	7,5-8,5
Freezing point	approx. 0°C (water based product).
Boiling point	approx. 100°C (water based product).
Distillation range	NA (not available).
Flash point	NA (not available).
Evaporation rate	NA (not available).
Flammability of solids and gases	NA (not available).
Lower flammability limit	NA (not applicable).
Upper limit flammability	NA (not applicable).
Lower explosive limit	NA (not applicable).



Upper explosive limit	NA (not applicable).
Vapour pressure	NA (not available).
Vapour density	NA (not available).
Specific weight	1.00-1.10 kg/l
Solubility	partially miscible.
Partition coefficient: n-octanol/water	NA (not available).
Auto-ignition temperature	NA (not available).
Decomposition temperature	NA (not available).
Viscosity	NA (not available).
Oxidising properties	NA (not available).

**9.2. Other Information**

Aspect:

Form: liquid

Information on health, environment, safety

Ignition temperature: Non-flammable product

Explosive properties: Non-explosive product

VOC (Directive 2004/42/EC): 10 g/litre – 7.4%

**10. Stability and reactivity****10.1. Reactivity**

There is no particular risk of reaction with other substances under normal conditions of use.

**10.2. Chemical stability**

The product is stable under normal use and storage conditions.

**10.3. Possibility of hazardous reactions**

In normal conditions of use and storage no dangerous reactions are predictable.

**10.4. Conditions to avoid**

None in particular. However, follow the usual precautions against chemicals.

**10.5. Incompatible materials**

Products that cause hazardous reactions in contact with water.

**10.6. Hazardous decomposition products**

Gases and vapours potentially harmful to health may be released by thermal decomposition or in case of fire.

**11. Toxicological information**

There are no known episodes of damage to health due to exposure to the product. In any case, it must be handled in accordance with the rules of good industrial hygiene.

**11.1. Information on toxicological effects**

No information available.

**11.2. Information about other hazards**

Based on available data, the substance does NOT contain endocrine disrupting substances.

**12. Ecological information**

Use in accordance with normal working best practices, avoiding dispersion of the product in the environment. Alert the relevant authorities if the product has reached water resources or sewers, or if it has contaminated the soil or vegetation.

**12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

No information available.

**12.3. Bio-accumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**12.5. PBT and vPvB assessment results**

NA (not applicable).

**12.6. Endocrine disrupting properties**

Based on available data, the product does NOT contain substances with properties harmful to the endocrine system.

**12.7. Other adverse effects**

No information available.

**13. Disposal considerations****13.1. Waste treatment methods**

Reuse, if possible. Product residues are to be considered special non-hazardous waste.

Disposal must be carried out by an authorised waste management company, in compliance with national and local regulations.

**CONTAMINATED PACKAGING**

Contaminated packaging must be sent for recovery or disposal in compliance with the national waste management regulations.

ERC recommended waste code: 08 04 10 (non-hazardous) and for packaging, if clean, CER 15 01 04.

**14. Transport information**

The product is not considered dangerous in accordance with the provisions in force concerning the transportation of dangerous goods by road (ADR), by rail (RID), by sea (IMDG Code) and by air (IATA).

**15. Regulatory information****15.1. Specific safety, health and environmental regulations and legislation for the substance or mixture.**

Seveso Category - Directive 2012/18/EU.

None.

Restrictions relating to the product or contained substances pursuant to Annex XVII of Regulation (EC) 1907/2006.

None.

Regulation (EU) 2019/1148 (explosive precursors).

Not applicable.

Substances in Candidate List (ART. 59 of REACH).

None.

Substances subject to authorisation (Annex XIV of REACH).

None.

Health inspections.

No information available.

Additional provisions, limitations and prohibitory decrees:

Regulation (EU) 528/2012 Biocides (BPR). The product contains a biocidal component for protection and storage. Active ingredient content: mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one; 2-methyl-2H-isothiazol-3-one.

**15.2. Chemical safety assessment**

No chemical safety assessment has been developed for the mixture and the substances it contains.

**16. Other Information**

This safety data sheet complies with Regulation (EC) No. 1907/2006, Art. 31 as amended by Regulation (EU) 2020/878.

- Relevant phrases

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.



- Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 2: Acute Toxicity – Category 2

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1A: Skin sensitization – Category 1A

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

- GENERAL BIBLIOGRAPHY:

1. Directive 1999/45/CE and subsequent amendments
2. Directive 67/548/EEC and subsequent amendments and adjustments
3. Regulation (EU) 2020/878 (Annex II REACH Regulation)
4. Regulation (EC) 1907/2006 of the European Parliament (REACH)
5. Regulation (EC) 1272/2008 of the European Parliament (CLP)
6. Regulation (EC) 790/2009 of the European Parliament (1st ATP CLP)
7. Regulation (EC) 453/2010 of the European Parliament
8. The Merck Index. 10th Edition
9. Handling Chemical Safety
10. Niosh - Registry of Toxic Effects of Chemical Substances
11. INRS - Fiche Toxicologique
12. Patty - Industrial Hygiene and Toxicology
13. N.I. Sax - Dangerous properties of Industrial Materials - 7th Ed., 1989

Note for users:

The information contained in this data sheet is based on the current level of knowledge available from us on the date of the most recent version. Users must check the suitability and completeness of the information in relation to the specific use of the product. This document should not be considered as a guarantee of any specific property of the product. Since the use of the product does not fall under our direct control, it is the users' responsibility to observe hygiene and safety laws and regulations in force. We shall not be held liable for improper use.