

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: OXITAL PRT
Product name: OXITAL REAGENTE

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

Intended use: Reagent additive

1.3. Details of the supplier of the safety data sheet

Name: NIKKOLOR ITALIA s.r.l.
Full address: VIA ALBANI, 2
District and Country: 96014 FLORIDIA (SR)
IT
tel. +39 0931 1623959

e-mail address of the competent person
responsible for the Safety Data Sheet: nikkolor@gmail.com

1.4. Emergency telephone number

For urgent inquiries refer to: +39 0931 1623959

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Criteria Regulation EC 1272/2008 (CLP):

The product is not considered dangerous according to EC Regulation 1272/2008 (CLP).

Physical and chemical effects harmful to human health and environmental effects: No other hazards

2.2. Label elements

The product is not considered dangerous according to EC Regulation 1272/2008 (CLP).

Symbols: No

Indications of Danger: No

Precautionary Statements: None

Special provisions: EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of the REACH and following adjustments: No

2.1. Classification of the substance or mixture

Criteria Regulation EC 1272/2008 (CLP):



Warning, Skin Irrit. 2 Causes skin irritation.



Attention, Eye Irrit. 2 Causes serious eye irritation.



Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Physical and chemical effects harmful to human health and the environment:
No other hazards

2.2. label elements

symbols:



Caution

Indications of Danger:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P101 If medical advice is needed, make available to the container or the label of the product.

P102 Keep out of reach of children.

P273 Avoid release to the environment.

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

P501 Dispose of contents / container in accordance with the regulations.

Special provisions:

none

Special provisions according to Annex XVII of the REACH and following adjustments:

none

2.3. other hazards

VPvBs:

none

PBT:

none

Other hazards:

No other hazards








SECTION 3: Composition / information on ingredients

3.1. Substances

no data available

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Number of identif.	Classification
> = 12.5% - <15%	copper sulfate pentahydrate	Index Number: 029-004-00 CAS: 7758-99-8 EC: 231-847-6 REACH No .: 01-2119520566-40-xxxx	 3.1 / 4 / Oral Acute Tox. 4 H302  3.2 / 2 Skin Irrit. 2 H315  3.3 / 2 Eye Irrit. 2 H319  4.1 / A1 Aquatic Acute 1 H400  4.1 / C1 Aquatic Chronic 1 H410
> = 5% - <7%	Ammonium chloride	Index Number: 017-014-00-8 CAS: 12125-02-9 EC: 235-186-4 REACH No .: 01-2119487950-27-xxxx	 3.3 / 2 Eye Irrit. 2 H319  3.1 / 4 / Oral Acute Tox. 4 H302

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of contact with skin:

Immediately take off contaminated clothing.

Rinse immediately with plenty of water and soap areas of the body that have come in contact with the product, only even suspected.

Wash thoroughly the body (shower or bath).

After contact with skin, wash immediately with plenty of water and soap.

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with plenty of water and soap.

In case of contact with eyes:

In case of contact with eyes, rinse them with water for an appropriate time and under the eyelids, then consult an ophthalmologist immediately.

Protect unharmed eye.

If swallowed:

Do not induce vomiting. SEEK MEDICAL ATTENTION IMMEDIATELY.

Inhalation:

Move the victim to fresh air and keep warm and at rest.

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

Nobody

4.3. Indication of any immediate medical attention and special treatment

In case of accident or malaise consult a doctor immediately (if possible show directions for use or safety data sheet).

Treatment: Nobody

SECTION 5: Fire-fighting measures**5.1. Extinguishing**

Suitable extinguishing agents:
Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect separately contaminated water used to extinguish the fire. Not be discharged into drains.

If feasible in terms of safety, to move from immediate hazard undamaged containers.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment.

Remove all sources of ignition.

Move the person to a safe place.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Allow to enter the ground / soil. Prevent spills into surface water or sanitary sewer system.

Retain contaminated washing water and discard.

In the event of a gas leak or penetration into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and materials for containment and cleaning

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapors and mists.

Do not use empty container before they have been cleaned.

Before making transfer operations, make sure the containers there are no incompatible material residuals.

Contaminated clothing should be changed before entering eating areas.
When using do not eat or drink.

See, too, paragraph 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Recommendations for the areas:

Areas adequately aired.

7.3. Specific end use

None in particular

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Copper sulfate pentahydrate - CAS: 7758-99-8
ACGIH - LTE: 1 mg / m³ - Notes: ref. Copper

Ammonium chloride - CAS: 12125-02-9
TLV-TWA - 4.57 ppm - 10 mg / m³
TLV-STEL - 9.14 ppm - 20 mg / m³

Exposure Limit Values DNEL

copper sulphate pentahydrate - CAS: 7758-99-8

Professional worker: 137 mg / kg - Exposure: Dermal Human - Frequency: Long term, systemic effects - Notes: For the copper dry solids

Consumer: 0.041 mg / kg - Exposure: Oral Human - Frequency: Long-term, local effects

PNEC Exposure Limit Values

copper sulphate pentahydrate - CAS: 7758-99-8

Target: Fresh water - Value: 7.8 mg / l

Target: Sea water - Value: 5.2 mg / l

Target: land (agricultural) - Value: 65 mg / kg

Target: Microorganisms in sewage treatment - Value: 230 mg / l

8.2. Exposure controls

Eye protection:

Use safety goggles, do not use eye lens.

Skin protection:

Wear clothing that provides comprehensive protection to the skin, eg. cotton, rubber, PVC or Viton.

Hand protection:

Use protective gloves that provides comprehensive protection, eg. PVC, neoprene or rubber.

Respiratory protection:

Not necessary for normal use.

Thermal Hazards:

Nobody

Environmental exposure controls:

Nobody

Appropriate engineering:

Nobody

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical

Property

Appearance: Liquid

Color: Blue / Green

Odour:

Odor threshold: 7 ca.

pH: No data available

Melting point / freezing point: No data available

Flash point: No data available

Evaporation rate: No data available

Solid / gas flammability: No data available

Upper / lower flammability or explosive limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: 1c.a

Water solubility: No data available

Oil solubility: No data available

Partition coefficient (n-octanol / water): No data available

Ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

9.2. Other information

Miscibility: No data available

Fat solubility: No data available

Conductivity: No data available

Groups relevant properties of substances: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Nobody

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

Nobody.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Toxicological information of the mixture:
no data available

Toxicological information of the main substances in the mixture:
Ammonium chloride - CAS: 12125-02-9

a) acute toxicity:

Test: LD50 - Via: Oral - Species: Rat = 1410 mg / kg - Length: No data available - Source: BASF AG: Abt. Toxikologie, unveroeffentlichte Untersuchungen, (83/44), 06/07/1983 - Note: no data available

e) Germ cell mutagenicity:

Test: Mutagenesis - Via: INTRAPER - Species: Rat Negative no data available mg / l - Duration: no data available - Source: Hayashi M et al.: Fd. Chem. Toxic., 26, 487-500, (1988) - Note: no data available

g) reproductive toxicity:

Test: NOAEL - Via: Oral - Species: Mouse = 150 mg / l - Duration: no data available - Source: TSCATS, OTS0536035-1, Doc. ID 89-920000344, 8E, 08-18-92, W. R. Grace and Company - Note: no data available

Unless otherwise specified, the data required by Regulation 453/2010 / EC listed below must be

understood N.A.:

- a) acute toxicity;
- b) skin corrosion / irritation;
- c) serious eye damage / irritation;
- d) respiratory or skin sensitization;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) Specific target organ toxicity (STOT) - single exposure;
- i) Specific target organ toxicity (STOT) - repeated exposure;
- j) Aspiration hazard.

SECTION 12: Ecological information**12.1. Toxicity**

Adopt good working practices, avoiding littering.
no data available

12.2. Persistence and degradability

Nobody
no data available

12.3. Potential for bioaccumulation

no data available

12.4. Mobility in soil no

data available

12.5. Results of PBT and vPvB

VPvB Substances: None - PBT Substances: None

SECTION 13: Disposal considerations**13.1. Methods of treatment of the waste**

Recover if possible. Operate according to local and national.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EC: None

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

None

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

15.2. Chemical safety assessment

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

SECTION 16. Other information

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%

- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.