

Conductivity Standard, 12.88 mS/cm

Safety Data Sheet



SECTION 1: Identification

1.1. Identification

Product name : Conductivity Standard, 12.88 mS/cm
Product number : 30065089

1.2. Recommended use and restrictions on use

Recommended use : Laboratory chemicals

1.3. Supplier

Ohaus Instruments (Changzhou)co.,ltd
Building 22
538 West Hehai Road
Xinbei District, Changzhou,Jiangsu Province,213012
China
T 4008-217-188
pH@ohaus.com

1.4. Emergency telephone number

Emergency number : Emergency CONTACT (24-Hour-Number)
GBK/Infotrac ID114774: (USA domestic) 1 800 535 5053 or international (001) 352 323 3500

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

The substance is not classified as hazardous according to the Globally Harmonized System (GHS).

2.2. GHS Label elements, including precautionary statements

Not regulated.

2.3. Other hazards which do not result in classification

There are no other hazards not otherwise classified that have been identified.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|--------------------|--------------------|-----|-----------------------|
| Water | CAS-No.: 7732-18-5 | >99 | |
| Potassium chloride | CAS-No.: 7447-40-7 | <1 | Eye Irrit. 2B, H320 |

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

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Full text of hazard classes and H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : No special measures required. |
| First-aid measures after inhalation | : Supply fresh air; consult doctor in case of complaints. |
| First-aid measures after skin contact | : Rinse with warm water. If skin irritation is experienced, consult a doctor. |
| First-aid measures after eye contact | : Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. |
| First-aid measures after ingestion | : Rinse mouth. Call a physician immediately. Do not induce vomiting. |

4.2. Most important symptoms and effects (acute and delayed)

Gastric or intestinal disorders when ingested.

4.3. Immediate medical attention and special treatment, if necessary

No relevant information available.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use firefighting measures that suit the environment.

5.2. Specific hazards arising from the chemical

Formation of toxic gases is possible during heating or in case of fire.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

6.2. Environmental precautions

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Clean the affected area carefully ; suitable cleaners are :

Warm water

Dispose of the collected material according to regulations.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : No special measures required.
Information about protection against explosions and fires : No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles : No special requirements.
Information about storage in one common storage facility : No relevant information available.
Further information about storage conditions : Keep containers tightly sealed.
Store in cool, dry conditions in well-sealed receptacles.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate ventilation.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Clear
Odor : Odorless
Odor threshold : No data available
pH : Not determined
Melting point : No data available
Freezing point : No data available
Boiling point : 105-110 °C (221-230 °F)
Flash point : The product is not flammable.

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| | |
|---|---|
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Not applicable. |
| Vapor pressure | : 23 hPa (17.3 mm Hg) |
| Relative vapor density at 20 °C | : >1.01 g/cm ³ (>8.43 lbs/gal) |
| Relative density | : No data available |
| Solubility | : Fully miscible. |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No relevant information available.

10.2. Chemical stability

Stable under normal temperatures and pressures.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Light, excess heat, dust generation, incompatible materials.

10.5. Incompatible materials

No relevant information available.

10.6. Hazardous decomposition products

Under fire conditions only: Chlorine compounds.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|---|
| Acute toxicity (oral) | : Based on available data, the classification criteria are not met. |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

NTP (National Toxicology Program):

None of the ingredients are listed.

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OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

| | |
|-------------------------------------|---|
| Skin corrosion/irritation | : Based on available data, the classification criteria are not met. |
| Serious eye damage/irritation | : Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitization | : Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | : Based on available data, the classification criteria are not met. |
| Carcinogenicity | : Based on available data, the classification criteria are not met. |
| Reproductive toxicity | : Based on available data, the classification criteria are not met. |
| STOT-single exposure | : Based on available data, the classification criteria are not met. |
| STOT-repeated exposure | : Based on available data, the classification criteria are not met. |
| Aspiration hazard | : Based on available data, the classification criteria are not met. |
| Viscosity, kinematic | : No data available |
| Symptoms/effects after skin contact | : Burns. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : Burns. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No relevant information available.

12.2. Persistence and degradability

No relevant information available

12.3. Bioaccumulative potential

No relevant information available.

12.4. Mobility in soil

No relevant information available.

12.5. Other adverse effects

No relevant information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Smaller quantities can be disposed of with household waste.
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

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| DOT | TDG | IMDG | IATA |
|---|----------------|----------------|----------------|
| 14.1. UN number | | | |
| Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.2. Proper Shipping Name | | | |
| Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.3. Transport hazard class(es) | | | |
| Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.4. Packing group | | | |
| Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.5. Environmental hazards | | | |
| Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| No supplementary information available | | | |

14.6. Special precautions for user

Not applicable

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

| | |
|-----------|--------------------|
| 7447-40-7 | Potassium chloride |
| 71-23-8 | Propan-1-ol |
| 7732-18-5 | Water |

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

None of the ingredients are listed.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

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None of the ingredients are listed.

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Other information

: Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

| Full text of H-phrases | |
|------------------------|--|
| H272 | May intensify fire; oxidizer |
| H290 | May be corrosive to metals. |
| H300 | Fatal if swallowed |
| H301 | Toxic if swallowed |
| H311 | Toxic in contact with skin |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage |
| H330 | Fatal if inhaled |
| H334 | May cause an allergy or asthma symptoms or breathing difficulties if inhaled |
| H340 | May cause genetic defects |
| H350 | May cause cancer |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H401 | Toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |

| Abbreviations and acronyms | |
|----------------------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |

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| Abbreviations and acronyms | |
|----------------------------|---|
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |
| DOT | Department of Transport |
| TDG | Transportation of Dangerous Goods |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| GHS | Globally Harmonized System of Classification, Labelling and Packaging of Chemicals |
| IBC-Code | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| MARPOL 73/78 | MARPOL 73/78: International Convention for the Prevention of Pollution From Ships |
| ADG | Transport of Australian Dangerous Goods |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.

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