



VWR ANALYTICAL

SAFETY DATA SHEET

Issuing Date 05-Aug-2015

Revision Date 05-Aug-2015

Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name/Catalog ID 89800-010, 89800-012

Other means of identification

Product Description 1000 µg/mL Chloride

Recommended use of the chemical and restrictions on use

Recommended Use Laboratory chemicals.

Uses advised against No information available

Details of the supplier of the safety data sheet

Company

VWR International, LLC
Radnor Corporate Center
Building One, Suite 200
P.O. Box 6660
100 Matsonford Road
Radnor, PA 19087-8660
Tel: 610-386-1700

Emergency Telephone Number

Chemtec 1-800-424-9300 (US)
Canutec - 1-613-996-6666 (Canada)

2. HAZARDS IDENTIFICATION

GHS

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Clear / Colorless

Physical State Liquid

Odor Odorless

Hazards not otherwise classified (HNOC)

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

4. FIRST AID MEASURES

First Aid Measures

| | |
|---------------------|--|
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash skin with soap and water. |
| Inhalation | Move to fresh air. |
| Ingestion | Clean mouth with water and afterwards drink plenty of water. |

Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Decomposition by contact with water may generate vapors which can be ignited by heat or open flame.

Special Exposure Hazards Arising from the Substance/Mixture

Thermal decomposition can lead to release of irritating gases and vapors

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and material for containment and cleaning up

Methods for Cleaning up Dam up. Neutralise with lime; soda. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling**Conditions for safe storage, including any incompatibilities**

Technical measures/Precautions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties**Information on basic physical and chemical properties**

| | |
|--|---------------------------|
| Physical State | Liquid |
| Appearance | Clear / Colorless |
| Odor | Odorless |
| <u>Property</u> | <u>Values</u> |
| pH VALUE | No data available |
| Melting Point/Range | No data available |
| Boiling Point/Range | 100 °C |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Vapor Pressure | No data available |
| Vapor Density | No data available |
| Relative Density | No data available |
| Specific Gravity | No data available |
| Water Solubility | Miscible |
| Partition coefficient: n-octanol/water | No data available |
| Autoignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Viscosity | No data available |
| Explosive Properties | No information available |
| Oxidizing Properties | No information available |
| <u>Other information</u> | |
| VOC Content | No information available. |

10. STABILITY AND REACTIVITY**Reactivity**

No data available.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

None known.

Incompatible Materials

No information available

Hazardous Decomposition Products

Ammonia. Chlorine.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Product does not present an acute toxicity hazard based on known information

Inhalation

There is no data available for this product.

Eye Contact

There is no data available for this product.

Skin Contact

There is no data available for this product.

Ingestion

There is no data available for this product.

Information on toxicological effects**Symptoms**

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Sensitization**

No information available.

Mutagenic Effects

No information available.

Carcinogenic effects**Reproductive Toxicity**

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration Hazard

No information available.

Numerical measures of toxicity - Product Information**12. ECOLOGICAL INFORMATION****Ecotoxicity****Ecotoxicity effects**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Other Adverse Effects

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|--|--|
| Waste from Residues/Unused Products | Dispose of in accordance with federal, state and local regulations |
| Contaminated Packaging | Do not re-use empty containers. |

14. Transport information

IMDG/IMO

| | |
|---|---------------------------|
| 14.1. UN-No | Not regulated |
| 14.2. Proper Shipping Name | Not regulated |
| 14.3. Hazard Class | Not regulated |
| 14.4. Packing Group | Not regulated |
| Description | Not applicable. |
| 14.5. Marine Pollutant | None. |
| 14.6. Special Provisions | None |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available. |

RID

| | |
|-----------------------------------|-----------------|
| 14.1. UN-No | Not regulated |
| 14.2. Proper Shipping Name | Not regulated |
| 14.3. Hazard Class | Not regulated |
| 14.4. Packing Group | Not regulated |
| Description | Not applicable. |
| 14.5. Environmental hazard | None |
| 14.6. Special Provisions | None |

ADR

| | |
|-----------------------------------|-----------------|
| 14.1. UN-No | Not regulated |
| 14.2. Proper Shipping Name | Not regulated |
| 14.3. Hazard Class | Not regulated. |
| 14.4. Packing Group | Not regulated |
| Description | Not applicable. |
| 14.5. Environmental hazard | None |
| 14.6. Special Provisions | None |

ICAO

| | |
|-----------------------------------|-----------------|
| 14.1. UN-No | Not regulated |
| 14.2. Proper Shipping Name | Not regulated |
| 14.3. Hazard Class | Not regulated |
| 14.4. Packing Group | Not regulated |
| Description | Not applicable. |
| 14.5. Environmental hazard | None |
| 14.6. Special Provisions | None |

IATA-DGR

| | |
|-----------------------------------|----------------|
| 14.1. UN-No | Not regulated |
| 14.2. Proper Shipping Name | Not regulated |
| 14.3. Hazard Class | Not regulated |
| 14.4. Packing Group | Not regulated |
| Description | Not applicable |
| 14.5. Environmental hazard | None |
| 14.6. Special Provisions | None |

15. REGULATORY INFORMATION**International Inventories**

| | |
|----------------------|----------|
| TSCA | Complies |
| DSL/NDL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

SARA 311/312 Hazard Categories

| | |
|--|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**U.S. EPA Label Information****16. OTHER INFORMATION**

Revision Date 05-Aug-2015
Revision Note
No information available

Disclaimer

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. VWR International and its Affiliates shall not be held liable for any damage resulting from handling.

End of MSDS