



**Be Right™**

# SAFETY DATA SHEET

Issue Date 01-Mar-2021

Revision Date  
01-Mar-2021

Version 6

Page 1 / 14

## 1. IDENTIFICATION

**Product identifier**

**Product Name** Low Range Chlorine Standard Solution Ampule 25 - 30 mg/L as Cl<sub>2</sub>

**Other means of identification**

**Product Code(s)** 2630020

**Safety data sheet number** M01207

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Standard solution.

**Uses advised against** Consumer use.

**Restrictions on use** For Laboratory Use Only.

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

Hach Company P.O.Box 389 Loveland, CO 80539 USA +1(970) 669-3050

**Emergency telephone number**

+1(303) 623-5716 - 24 Hour Service

## 2. HAZARDS IDENTIFICATION

**Classification**

**Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

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

**Hazards not otherwise classified (HNOC)**

Not applicable

**Label elements**

**Signal word**

None

**Hazard statements**

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

**Other Hazards Known**

Harmful to aquatic life

Product Code(s) 2630020

Issue Date 01-Mar-2021

Version 6

Product Name Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

Revision Date 01-Mar-2021

Page 2 / 14

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable

**Mixture**

Chemical Family

Mixture.

Chemical nature

aqueous solution.

Chemical name	CAS No	Percent Range	HMRIC #
Chlorine	7782-50-5	<0.01%	-

### 4. FIRST AID MEASURES

**Description of first aid measures**

**General advice**

No hazards which require special first aid measures. Use first aid treatment according to the nature of the injury.

**Inhalation**

Remove to fresh air.

**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.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**

See Section 11 for additional Toxicological Information.

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

**Note to physicians**

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**

Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products**

This material will not burn.

**Special protective equipment for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### 6. ACCIDENTAL RELEASE MEASURES

Product Code(s) 2630020

Issue Date 01-Mar-2021

Version 6

Product Name Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

Revision Date 01-Mar-2021

Page 3 / 14

#### U.S. Notice

Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance. Outside of the US, only persons properly qualified according to state or local regulations should respond to a spill involving chemicals.

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

#### Environmental precautions

**Environmental precautions** See Section 12 for additional ecological information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## 7. HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Flammability class** Not applicable

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

#### Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Chlorine CAS#: 7782-50-5	STEL: 0.4 ppm TWA: 0.1 ppm	(vacated) TWA: 0.5 ppm (vacated) TWA: 1.5 mg/m <sup>3</sup> (vacated) STEL: 1 ppm (vacated) STEL: 3 mg/m <sup>3</sup> Ceiling: 1 ppm Ceiling: 3 mg/m <sup>3</sup>	IDLH: 10 ppm Ceiling: 0.5 ppm 15 min Ceiling: 1.45 mg/m <sup>3</sup> 15 min

#### Appropriate engineering controls

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

Product Code(s) 2630020

Issue Date 01-Mar-2021

Version 6

Product Name Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

Revision Date 01-Mar-2021

Page 4 / 14

**Individual protection measures, such as personal protective equipment**

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Wear breathing apparatus if exposed to vapors/dusts/aerosols.

**Hand Protection**

Wear suitable gloves. Gloves must be inspected prior to use. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425 and the standard EN 374 derived from it. Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374-1:2016.

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin and body protection**

No special protective equipment required.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls**

Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water.

**Thermal hazards**

None under normal processing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

Physical state	Liquid	Color	colorless
Appearance	clear	Odor threshold	Not applicable
Odor	Odorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Molecular weight	Not applicable	
pH	10.5	@ 20 °C
Melting point/freezing point	0 °C / 32 °F	
Boiling point / boiling range	100 °C / 212 °F	
Evaporation rate	1 (water = 1)	
Vapor pressure	24.002 mm Hg / 3.2 kPa at 25 °C / 77 °F	
Relative vapor density	0.62	
Specific gravity (water = 1 / air = 1)	0.999	
Partition Coefficient (n-octanol/water)	No data available	
Soil Organic Carbon-Water Partition Coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Dynamic viscosity	1 cP (mPa s) at 20 °C / 68 °F	
Kinematic viscosity	1.001 cSt (mm <sup>2</sup> /s) at 20 °C / 68 °F	

Product Code(s) 2630020

Issue Date 01-Mar-2021

Version 6

Product Name Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

Revision Date 01-Mar-2021

Page 5 / 14

### Solubility(ies)

#### Water solubility

Water solubility classification	Water solubility	Water Solubility Temperature
Soluble	> 1000 mg/L	25 °C / 77 °F

#### Solubility in other solvents

Chemical Name	Solubility classification	Solubility	Solubility Temperature
Acid	Soluble	> 1000 mg/L	25 °C / 77 °F
Most Polar Organic Solvents	Soluble	> 1000 mg/L	25 °C / 77 °F

### Other information

#### Metal Corrosivity

Steel Corrosion Rate

0.18 mm/yr / 0.01 in/yr

Aluminum Corrosion Rate

0 mm/yr / 0 in/yr

#### Volatile Organic Compounds (VOC) Content

Chemical name	CAS No	Volatile organic compounds (VOC) content	CAA (Clean Air Act)
Chlorine	7782-50-5	Not applicable	-

#### Explosive properties

Upper explosion limit

No data available

Lower explosion limit

No data available

#### Flammable properties

Flash point

No data available

#### Flammability Limit in Air

Upper flammability limit:

No data available

Lower flammability limit:

No data available

#### Oxidizing properties

No data available.

#### Bulk density

No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

Not applicable.

### Chemical stability

Stable under normal conditions.

### Explosion data

Sensitivity to Mechanical Impact None.

Product Code(s) 2630020

Issue Date 01-Mar-2021

Version 6

Product Name Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

Revision Date 01-Mar-2021

Page 6 / 14

**Sensitivity to Static Discharge** None.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

Strong oxidizing agents, strong acids, and strong bases.

**Hazardous decomposition products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Inhalation** No known effect based on information supplied.

**Eye contact** No known effect based on information supplied.

**Skin contact** No known effect based on information supplied.

**Ingestion** No known effect based on information supplied.

**Symptoms** No information available.

**Acute toxicity**

Based on available data, the classification criteria are not met

**Product Acute Toxicity Data**

No data available.

**Ingredient Acute Toxicity Data**

Test data reported below.

**Inhalation (Dust/Mist) Exposure Route**

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Chlorine (<0.01%) CAS#: 7782-50-5	None reported	None reported	None reported	None reported	No information available

**Inhalation (Gas) Exposure Route**

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Chlorine (<0.01%) CAS#: 7782-50-5	Rat LC <sub>50</sub>	146.5 ppm	4 hours	None reported	RTECS (Registry of Toxic Effects of Chemical Substances)

**Unknown Acute Toxicity**

**Product Code(s)** 2630020

**Issue Date** 01-Mar-2021

**Version** 6

**Product Name** Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

**Revision Date** 01-Mar-2021

**Page** 7 / 14

1.5E-05% of the mixture consists of ingredient(s) of unknown toxicity.

#### Acute Toxicity Estimations (ATE)

<b>ATEmix (oral)</b>	No information available
<b>ATEmix (dermal)</b>	No information available
<b>ATEmix (inhalation-dust/mist)</b>	No information available
<b>ATEmix (inhalation-vapor)</b>	No information available
<b>ATEmix (inhalation-gas)</b>	No information available

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Product Skin Corrosion/Irritation Data

No data available.

#### Ingredient Skin Corrosion/Irritation Data

Test data reported below.

Chemical name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Chlorine (<0.01%) CAS#: 7782-50-5	OECD Test 404: Acute Dermal Corrosion/Irritation	Rabbit	5.3%	4 hours	Skin irritant	ECHA (The European Chemicals Agency)

#### Serious eye damage/irritation

Based on available data, the classification criteria are not met.

#### Product Serious Eye Damage/Eye Irritation Data

No data available.

#### Ingredient Eye Damage/Eye Irritation Data

No data available.

#### Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

#### Product Sensitization Data

No data available.

#### Ingredient Sensitization Data

Test data reported below.

#### Skin Sensitization Exposure Route

Chemical name	Test method	Species	Results	Key literature references and sources for data
Chlorine (<0.01%) CAS#: 7782-50-5	OECD Test No. 406: Skin Sensitization	Guinea pig	Not confirmed to be a skin sensitizer	ECHA (The European Chemicals Agency)

#### STOT - single exposure

Based on available data, the classification criteria are not met.

#### Product Specific Target Organ Toxicity Single Exposure Data

No data available.

Product Code(s) 2630020

Product Name Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

Issue Date 01-Mar-2021

Revision Date 01-Mar-2021

Version 6

Page 8 / 14

#### Ingredient Specific Target Organ Toxicity Single Exposure Data

No data available.

#### STOT - repeated exposure

Based on available data, the classification criteria are not met.

#### Product Specific Target Organ Toxicity Repeat Dose Data

No data available.

#### Ingredient Specific Target Organ Toxicity Repeat Exposure Data

Test data reported below.

#### Inhalation (Gas) Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Chlorine (<0.01%) CAS#: 7782-50-5	Rat TC <sub>Lo</sub>	9 ppm	42 days	<b>Kidney, Ureter, or Bladder</b> Other changes <b>Blood</b> Changes in leukocyte (WBC) count <b>Biochemical</b> Enzyme inhibition, induction, or change in blood or tissue levels	RTECS (Registry of Toxic Effects of Chemical Substances)

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Product Carcinogenicity Data

No data available.

#### Ingredient Carcinogenicity Data

Test data reported below.

Chemical name	CAS No	ACGIH	IARC	NTP	OSHA
Chlorine	7782-50-5	-	-	-	-

#### Legend

ACGIH (American Conference of Governmental Industrial Hygienists)	Does not apply
IARC (International Agency for Research on Cancer)	Does not apply
NTP (National Toxicology Program)	Does not apply
OSHA (Occupational Safety and Health Administration of the US Department of Labor)	Does not apply

#### Oral Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Chlorine (<0.01%) CAS#: 7782-50-5	Rat TD <sub>Lo</sub>	5096 mg/kg	2 years	<b>Blood</b> Leukemia	RTECS (Registry of Toxic Effects of Chemical Substances)

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Product Germ Cell Mutagenicity invitro Data

No data available.

Product Code(s) 2630020

Issue Date 01-Mar-2021

Version 6

Product Name Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

Revision Date 01-Mar-2021

Page 9 / 14

#### Ingredient Germ Cell Mutagenicity invitro Data

Test data reported below.

Chemical name	Test	Cell Strain	Reported dose	Exposure time	Results	Key literature references and sources for data
Chlorine (<0.01%) CAS#: 7782-50-5	Cytogenetic analysis	Human lymphocyte	20 ppm	None reported	Positive test result for mutagenicity	RTECS (Registry of Toxic Effects of Chemical Substances)

#### Product Germ Cell Mutagenicity invivo Data

No data available.

#### Ingredient Germ Cell Mutagenicity invivo Data

Test data reported below.

#### Oral Exposure Route

Chemical name	Test	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Chlorine (<0.01%) CAS#: 7782-50-5	Chromosomal abberation	Mouse	8 mg/kg	48 hours	Negative test result for mutagenicity	ECHA (The European Chemicals Agency)

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### Product Reproductive Toxicity Data

No data available.

#### Ingredient Reproductive Toxicity Data

Test data reported below.

#### Oral Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Chlorine (<0.01%) CAS#: 7782-50-5	Rat TD <sub>Lo</sub>	565 mg/kg	3 - 8 weeks	Effects on Newborn Biochemical and metabolic	RTECS (Registry of Toxic Effects of Chemical Substances)

#### Aspiration hazard

Based on available data, the classification criteria are not met.

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Based on available data, the classification criteria are not met.

#### Unknown aquatic toxicity

2E-05 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

#### Product Ecological Data

#### Aquatic Acute Toxicity

No data available.

**Product Code(s)** 2630020

**Issue Date** 01-Mar-2021

**Version** 6

**Product Name** Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

**Revision Date** 01-Mar-2021

**Page** 10 / 14

#### **Aquatic Chronic Toxicity**

No data available.

#### **Ingredient Ecological Data**

#### **Aquatic Acute Toxicity**

Test data reported below.

#### **Fish**

<b>Chemical name</b>	<b>Exposure time</b>	<b>Species</b>	<b>Endpoint type</b>	<b>Reported dose</b>	<b>Key literature references and sources for data</b>
Chlorine (<0.01%) CAS#: 7782-50-5	96 hours	<i>Oncorhynchus mykiss</i>	LC <sub>50</sub>	0.037 mg/L	GESTIS (Information System on Hazardous Substances of the German Social Accident Insurance)

#### **Crustacea**

<b>Chemical name</b>	<b>Exposure time</b>	<b>Species</b>	<b>Endpoint type</b>	<b>Reported dose</b>	<b>Key literature references and sources for data</b>
Chlorine (<0.01%) CAS#: 7782-50-5	48 Hours	None reported	LC <sub>50</sub>	0.00203 mg/L	GESTIS (Information System on Hazardous Substances of the German Social Accident Insurance)

#### **Aquatic Chronic Toxicity**

No data available.

#### **Persistence and degradability**

#### **Product Biodegradability Data**

No data available.

#### **Product Bioaccumulation Data**

No data available.

#### **Partition Coefficient (n-octanol/water)**

No data available

#### **Mobility**

#### **Soil Organic Carbon-Water Partition Coefficient**

No data available

#### **Other adverse effects**

No information available

### **13. DISPOSAL CONSIDERATIONS**

#### **Waste treatment methods**

#### **Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

#### **Contaminated packaging**

Do not reuse empty containers.

#### **US EPA Waste Number**

D002

**Product Code(s)** 2630020

**Issue Date** 01-Mar-2021

**Version** 6

**Product Name** Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

**Revision Date** 01-Mar-2021

**Page** 11 / 14

**Special instructions for disposal** Dilute material with excess water making a weaker than 5% solution. Adjust to a pH between 6 and 9 with an acid, such as sulfuric or citric. If permitted by regulation. Open cold water tap completely, slowly pour the reacted material to the drain. Check with national, local municipal and state authorities and waste contractors for pertinent local information on the disposal of this article.

#### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**IATA** Not regulated

**ERG Code** 8L

**Special precautions for user** A3, A803

**IMDG** Not regulated

**Note:** No special precautions necessary.

#### **Additional information**

There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is not in a reagent set or kit, the classification given above applies.

If the item is part of a reagent set or kit the classification would change to the following:

UN3316 Chemical Kit, Hazard Class 9, Packing Group II or III.

If the item is not regulated, the Chemical Kit classification does not apply.

#### 15. REGULATORY INFORMATION

##### National Inventories

**TSCA** Complies

**DSL/NDSL** Complies

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

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

##### International Inventories

**EINECS/ELINCS** Complies

**ENCS** Complies

**IECSC** Complies

**KECL - Existing substances** Complies

**PICCS** Complies

**TCSI** Complies

**AICS** Complies

**NZIoC** Complies

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European 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

**TCSI** - Taiwan Chemical Substances Inventory

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

##### US Federal Regulations

##### SARA 313

Product Code(s) 2630020

Product Name Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

Issue Date 01-Mar-2021

Revision Date 01-Mar-2021

Version 6

Page 12 / 14

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Chlorine (CAS #: 7782-50-5)	1.0

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Chlorine 7782-50-5	10 lb	-	-	X

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Chlorine 7782-50-5	10 lb	10 lb	RQ 10 lb final RQ RQ 4.54 kg final RQ

**U.S. - Department of Homeland Security - Chemical Facility Anti-Terrorism Standards (CFATS) - Security Issues**

Chemical name	U.S. - Department of Homeland Security - Chemical Facility Anti-Terrorism Standards (CFATS) - Security Issues
Chlorine (<0.01%) CAS#: 7782-50-5	Release - Toxic; Theft - Weapons of Mass Effect

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

IMERC: Not applicable

**U.S. State Right-to-Know Regulations**

This product may contain substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania
Chlorine 7782-50-5	X	X	X

**U.S. EPA Label Information**

Chemical name	FIFRA	FDA
Chlorine	180.1095	-

Product Code(s) 2630020

Product Name Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

Issue Date 01-Mar-2021

Revision Date 01-Mar-2021

Version 6

Page 13 / 14

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

**Special Comments**

None

**Additional information**

**Global Automotive Declarable Substance List (GADSL)**

Not applicable

**NFPA and HMIS Classifications**

<b>NFPA</b>	<b>Health hazards - 0</b>	<b>Flammability - 0</b>	<b>Instability - 0</b>	<b>Physical and chemical properties -</b>
<b>HMIS</b>	<b>Health hazards - 0</b>	<b>Flammability - 0</b>	<b>Physical hazards - 0</b>	<b>Personal protection -</b> X - 1

**Key or legend to abbreviations and acronyms used in the safety data sheet**

NIOSH IDLH

Immediately Dangerous to Life or Health

ACGIH

ACGIH (American Conference of Governmental Industrial Hygienists)

NDF

no data

**Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
MAC	Maximum Allowable Concentration	Ceiling	Ceiling Limit Value
X	Listed	Vacated	These values have no official status. The only binding levels of contaminants are those listed in the final OSHA PEL. These lists are for reference purposes only. Please note that some reference state regulations of these "liberated" exposure limits in their state regulations.
SKN*	Skin designation	SKN+	Skin sensitization
RSP+	Respiratory sensitization	**	Hazard Designation
C	Carcinogen	R	Reproductive toxicant
M	mutagen		

**Prepared By** Hach Product Compliance Department

**Issue Date** 01-Mar-2021

**Revision Date** 01-Mar-2021

**Revision Note** None

**Disclaimer**

**USER RESPONSIBILITY:** Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

**THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE**

**Product Code(s)** 2630020

**Issue Date** 01-Mar-2021

**Version** 6

**Product Name** Low Range Chlorine Standard Solution Ampule  
25 - 30 mg/L as Cl<sub>2</sub>

**Revision Date** 01-Mar-2021

**Page** 14 / 14

OBTAINED FROM THE USE THEREOF.

HACH COMPANY©2021

**End of Safety Data Sheet**