EverChlor 11-14%

Safety Data Sheet

Date of issue: 30/01/2024 Revision date: 30/01/2024 Version: #2

SECTION 1: Identification

1.1. Identification

Product name : EverChlor (Sodium Hypochlorite11-14%)

EC number : 231-668-3

CAS-No. : 7681-52-9

Formula : NaOCl

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

Recommended use : Industrial and professional use.

1.3. Supplier

FARSA Group Ltd

Sales@farsagroup.az

1.4. Emergency contacts

Emergency number : **+994512707856**

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Corrosive to metals : Category 1

Skin corrosion : Category 1

Serious eye damage : Category 1

2.2. Label elements

Pictogram :

Signal word : Danger

Hazard statements : H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**
P234 Keep only in original container.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
Storage:
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3. Other hazards

None.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not relevant (mixture)

3.2. Mixtures

Hazardous components

CAS-No.	Chemical name	Weight percent
7681-52-9	Sodium hypochlorite	11-14
1310-73-2	Sodium hydroxide	0- 5

Actual concentration is withheld as a trade secret

Any Concentration shown as a range is due to batch variation.

SECTION 4: First-aid measures

General advice : Show this safety data sheet to the doctor in attendance.
Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : Take victim immediately to hospital.
Move to fresh air.
If breathing has stopped, apply artificial respiration.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Remove contaminated clothing. If irritation develops, get medical attention.
Burns must be treated by a physician.

In case of eye contact : In case of eye contact
Immediately flush eye(s) with plenty of water.
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If easy to do, remove contact lens, if worn.
If eye irritation persists, consult a specialist.
Take victim immediately to hospital.

If swallowed : Take victim immediately to hospital. Do NOT induce vomiting.
Rinse mouth with water.
If victim is fully conscious, give a cupful of water.
If a person vomits when lying on his back, place him in the recovery position.

SECTION 5: Firefighting measures

Suitable extinguishing media : Carbon dioxide, (CO2)Foam, Dry powder

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire- fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Neutralize with acid.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapours/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the ap- plication area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8: Exposure controls/personal protection

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible Concentration	Basis
7681-52-9	Sodium hypochlorite	STEL	2 mg/m3	US WEEL
1310-73-2	Sodium hydroxide	C	2 mg/m3	ACGIH
		C	2 mg/m3	NIOSH REL
		TWA	2 mg/m3	OSHA Z-1
		C	2 mg/m3	OSHA P0
		C	2 mg/m3	CAL PEL

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are un- known, appropriate respiratory protection should be worn.
Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respi- rator if there is any potential for uncontrolled release, expo- sure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Eye protection : Eye wash bottle with pure water Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid	**Relative vapour density**	No data available
Colour	Clear yellow	**Relative density**	1.2 @ 20 °C (68 °F) Reference substance: (water = 1)
Odour	Chlorine	**Density**	1.2 g/cm3
Odour threshold	No data available	**Water solubility**	Completely soluble
pH	11.5-13	**Solubility in other solvents**	No data available
Freezing Point (Melting point/freezing point)	-20 - -15 °C (-4 - 5 °F)	**Partition coefficient: n-octanol/water**	No data available
Boiling point	230 °F	**Auto-ignition temperature**	No data available
Flash point	Not flammable	**Thermal decomposition**	No data available
Evaporation rate	No data available	**Particle characteristics**	Not relevant (liquid)
Flammability (solid, gas)	Not determined	**Oxidizing properties**	None
Upper explosion limit	No data available	**Vapour pressure**	12 - 17.5 mmHg @ 20 °C (68 °F)
Lower explosion limit	No data available	**-**	-

SECTION 10: Stability and reactivity

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable.
Possibility of hazardous reactions : No hazards to be specially mentioned.
Conditions to avoid : Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials : Acids
Combustible material
Halogenated compounds
Metals
Metal salts
Organic materials
Organic nitro compounds
Zinc

SECTION 11: Toxicological information

Acute toxicity

Components:
7681-52-9:
Acute oral toxicity : LD50 (Rat, male): > 2,000 mg/kg

1310-73-2:
Acute oral toxicity : LD50 (Rabbit): 325 mg/kg

Skin corrosion/irritation

Components:
7681-52-9:
Species: Rabbit
Result: Causes burns.

1310-73-2:
Species: Rabbit
Result: Causes severe burns.

Serious eye damage/eye irritation

Components:
7681-52-9:
Species: Rabbit
Result: Risk of serious damage to eyes.

1310-73-2:
Species: Rabbit
Result: Risk of serious damage to eyes.

Carcinogenicity

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA : No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT-single exposure

Components:
7681-52-9:
Assessment: The substance or mixture is classified as specific target organ toxicant, single ex- posure, category 3 with respiratory tract irritation.

SECTION 12: Ecological information

12.1. Ecotoxicity

Components:
7681-52-9:
Toxicity to fish : LC50 (Salmo gairdneri (Rainbow Fish)): 0.06 mg/l Exposure time: 96 h
Test Type: flow-through test

LC50 (Pimephales promelas (fathead minnow)): 5.9 mg/l Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.141 mg/l Exposure time: 48 h Test Type: flow-through test EC50 (Ceriodaphnia dubia): 0.035 mg/l Exposure time: 48 h Test Type: flow-through test
Toxicity to algae	:	IC50: 0.023 mg/l Exposure time: 7 d Test Type: flow-through test
Persistence and degradability	:	No data available.
Bioaccumulative potential	:	No data available.
Mobility in soil	:	No data available

SECTION 13: Disposal considerations

Disposal methods

Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport information

DOT (Department of Transportation):

UN1791, Hypochlorite solutions, 8, III, Marine Pollutant (SODIUM HYPOCHLORITE)

IATA (International Air Transport Association):

UN1791, Hypochlorite solution, 8, III

IMDG (International Maritime Dangerous Goods):

UN1791, HYPOCHLORITE SOLUTION, 8, III, Marine Pollutant (SODIUM HYPOCHLORITE)

SECTION 15: Regulatory information

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ(lbs)	Calculated product RQ(lbs)
Sodium hypochlorite	7681-52-9	100	800
Sodium hydroxide	1310-73-2	1000	20000

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards	:	Corrosive to metals Skin corrosion or irritation Serious eye damage or eye irritation
SARA 302	:	This material does not contain any components with a section 302 EHS TPQ.

Chemical safety assessments for substances in this mixture were not carried out.

Disclaimer:
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