

Safety Data Sheet

SANI+

SECTION 1. IDENTIFICATION

Product Identifier	SANI+
Other Means of Identification	L1125
Recommended Use	Chlorine Bleach.
Restrictions on Use	Industrial Use Only - Keep Away from Children.
Distributed By	Russell Hendrix, 10808 - 120 Street, Edmonton, AB T5H 3P7, Canada
Supplier Identifier	Russell Hendrix, 10808 - 120 Street, Edmonton, AB T5H 3P7, Canada
Emergency Phone	CANUTEC, 613 966 - 6666, 24 Hours
No. SDS No.	00030010

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin irritation - Category 2; Serious eye damage - Category 1; Specific target organ toxicity (single exposure) - Category 3

Label Elements



Signal Word:
Danger

Hazard Statement(s):

Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.

Precautionary Statement(s):

Prevention:
Do not breathe dusts or mists.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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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 CENTRE or doctor.
Wash contaminated clothing before reuse.

Storage:
Store locked up.

Disposal:
Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Sodium hypochlorite solutions	7681-52-9	12		Chlorine Bleach

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Immediately rinse skin with lukewarm, gently flowing water for at least 30 minutes. For severe exposure, seek medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Centre or doctor.

Ingestion

Drink large quantities of milk or water. Take sodium bicarbonate (baking soda) as an antidote. Do not induce vomiting. Immediately call a Poison Centre or doctor.

First-aid Comments

Seek a doctor or the nearest Poison Control Centre for all exposures except minor instances of inhalation or skin contact.

Most Important Symptoms and Effects, Acute and Delayed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Immediate Medical Attention and Special Treatment

Special Instructions

Symptoms of pulmonary edema can be delayed up to 48 hours after exposure.

Medical Conditions Aggravated by Exposure

Asthma, cardiovascular conditions.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire. Use water to keep non-leaking,

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fire-exposed containers cool.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Does not burn.

In a fire, the following hazardous materials may be generated: chlorine fumes.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution. Evacuate area. Fight fire from a safe distance or a protected location. Knock down vapours or gases with water fog or fine water spray.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours.

For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Small spills or leaks: flush spill area. Large spills or leaks: dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Contain and soak up spill with absorbent that does not react with spilled product.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Prevent all skin contact. Do not get in eyes. Only use where there is adequate ventilation. Avoid heating that will increase the amount of vapours.

Conditions for Safe Storage

Store in an area that is: well-ventilated, cool and dry. Comply with all applicable health and safety regulations, fire and building codes.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Sodium hypochlorite solutions				3 ppm		

Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: butyl rubber, natural rubber, neoprene rubber, nitrile rubber, Viton®/butyl rubber. The following materials should NOT be used: polyvinyl alcohol.

Respiratory Protection

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Yellow.
Odour	Chlorine
Odour Threshold	Not applicable
pH	10.8 - 11.2
Melting Point/Freezing Point	Not available (melting); -25 °C (-13 °F) (freezing)
Initial Boiling Point/Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Will not burn.
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	2.3 kPa (17.5 mm Hg)
Vapour Density (air = 1)	~ 0.6
Relative Density (water = 1)	Not available
Solubility	Soluble in all proportions in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	~ 40 °C (104 °F) (estimated) (Sodium hypochlorite solutions)
Viscosity	Not available (kinematic); ~ 1 centipoises (dynamic)

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not sensitive to mechanical impact.

Sodium Hypochlorite solutions give off a small amount of oxygen when heated or exposed to sunlight. However this amount is not enough to cause or contribute to combustion.

Chemical Stability

Unstable under certain conditions - see Conditions to Avoid.

Possibility of Hazardous Reactions

Decomposes in the presence of sunlight, heat. See "Hazardous Decomposition Products".

Conditions to Avoid

Sunlight. Prolonged exposure to high temperatures. Temperatures above 40.0 °C (104.0 °F)

Incompatible Materials

Strong acids (e.g. hydrochloric acid), ammonia, metals (e.g. aluminum).

Corrosive to: aluminum alloys, carbon steel.

Hazardous Decomposition Products

Oxygen (a strong oxidizer); corrosive chlorine.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
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Sodium hypochlorite solutions	> 2625 mg/m3 (male rat) (4-hour exposure)	~ 8910 mg/kg (rat)	
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Skin Corrosion/Irritation

Human experience and animal tests show skin corrosion.

Serious Eye Damage/Irritation

Human experience and animal tests show serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Harmful based on human experience and animal tests. May cause severe nose and throat irritation, severe bronchial irritation and pulmonary edema.

Skin Absorption

No information was located.

Ingestion

May be harmful based on human experience and animal tests. May cause severe irritation or burns to the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea. Permanent damage can result.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

If inhaled: causes effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above, irritation of the respiratory system. Respiratory tract injury has been observed.

Following skin contact and/or if swallowed: effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Group 3 – Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity

Development of Offspring

Not known to harm the unborn child.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

Effects on or via Lactation

Not known to cause effects on or via lactation.

Germ Cell Mutagenicity

Not known to be a mutagen.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS. This section is not required by OSHA HCS 2012.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This section is not required by OSHA HCS 2012. This section is not required by WHMIS 2015.

SECTION 14. TRANSPORT INFORMATION

This section is not required by WHMIS 2015. This section is not required by OSHA HCS 2012.

UN 1791 HYPOCHLORITE SOLUTION, CLASS 8, II

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This section is not required by OSHA HCS 2012. This section is not required by WHMIS.

SECTION 16. OTHER INFORMATION

SDS Prepared By Chemisphere Solutions Ltd

Phone No. (780) 460-4670

Date of Preparation April 24, 2018

Date of Last Revision May 16, 2018

Revision Indicators The following SDS content was changed on March 24, 2018:
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION; Exposure Guidelines.

Key to Abbreviations IARC = International Agency for Research on Cancer
HSDB® = Hazardous Substances Data Bank
OSHA = US Occupational Safety and Health Administration

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).