



Safety Data Sheet

Sodium Hypochlorite, 12.5%

SDS Revision Date:

05/06/2015

1. Identification

1.1. Product identifier

Product Identity Sodium Hypochlorite, 12.5%
Alternate Names Sodium Hypochlorite, 12.5%

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

Intended use Laundry Bleach
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Gurtler Industries, Inc.
15475 South LaSalle St.
South Holland, IL 60473 US

Emergency

24 hour Emergency Telephone No. (708) 331-2550
Customer Service: Gurtler Industries, Inc. INFOTRAC - (800) 535-5053

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Corr/Irr. 1C, H314 Causes severe skin burns and eye damage

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

H314: Causes severe skin burns and eye damage

[Prevention]:

P260: Avoid breathing gas/mist/vapours/spray
P264 Wash thoroughly after handling.
P273: Avoid release to the environment.



Safety Data Sheet

Sodium Hypochlorite, 12.5%

SDS Revision Date:

05/06/2015

P280: Wear protective gloves/eye protection/face protection.

[Response]:

P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P310 Immediately call a POISON CENTER or doctor / physician.

P321 Specific treatment (see information on this label).

P301+P330+P331 – IF SWALLOWED: Rinse mouth. Do not induce vomiting.

P362 Take off contaminated clothing and wash before reuse.

[Storage]: Store locked up. Store in corrosive resistant container with resistant inner liner.

[Disposal]:

P501: Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium chloride CAS Number: 7647-14-5	5-20	No Data available	[1]
Sodium hypochlorite CAS Number: 7681-52-9	10-20	H314	[1]
Sodium hydroxide CAS Number: 1310-73-2	<1	H290, H314, H318	[1]
Water CAS Number: 7732-18-5	60-85	No Data available; no phrases apply	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention



Safety Data Sheet

Sodium Hypochlorite, 12.5%

SDS Revision Date:

05/06/2015

Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. See physician if irritation persists.
Ingestion	If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. Rinse mouth.

5. Fire-fighting measures

5.1. Extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from the fire area if you can do so without risk. Use water spray to cool adjacent fire exposed containers. Product will not burn but may splatter if temperature exceeds boiling point.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8). Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas.

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Large Spills: Stop the flow of material if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

7. Handling and storage



Safety Data Sheet

Sodium Hypochlorite, 12.5%

SDS Revision Date:

05/06/2015

7.1. Precautions for safe handling

Do not taste or swallow.
 Do not get in eyes, on skin or on clothing.
 Avoid breathing vapor or mist.
 Use only with adequate ventilation.
 Wash thoroughly after handling.
 Prevent product contamination.
 Keep only in the original container. Store in tightly closed container
 Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.
 Avoid contamination.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage. Store in tightly closed container. Store in cool, dry, well ventilated area. Store out of direct sunlight in a cool, well ventilated place. Store in original container.
 Incompatible materials: acids, reducing agents

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
1310-73-2	Sodium Hydroxide	OSHA	2mg/m3
		ACGIH	2mg/m3
		NIOSH	2 mg/m3 ceiling
		Supplier	No Established Limit
7681-52-9	Sodium Hypochlorite	OSHA	2mg/m3 STEL
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

8.2. Exposure controls

Respiratory

Avoid breathing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components.

Eyes

Wear a face shield, chemical goggles and have eye flushing equipment immediately



Safety Data Sheet

Sodium Hypochlorite, 12.5%

SDS Revision Date:

05/06/2015

- available.
- Skin** Chemical resistant, impervious gloves should be worn at all time of the following types; nitrile or neoprene. Wear a face shield, chemical goggles and chemical resistant clothing. Wear suitable protective clothing Protective shoes or boots.
- Engineering Controls** Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Eye wash facilities and emergency shower must be available when handling this product.
- Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Clear, straw-yellow to greensih liquid
Odor	chlorine
Odor threshold	Not Measured
pH	11.5 + 0.3
Melting point / freezing point	-150F
Initial boiling point and boiling range	>212F
Flash Point	Not Measured
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	1.09-1.21
Solubility in Water	Completely soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	<50 cps

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

May be corrosive to metal.



Safety Data Sheet

Sodium Hypochlorite, 12.5%

SDS Revision Date:

05/06/2015

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

This product may react with strong acids and strong oxidizing agents.

10.4. Conditions to avoid

Contact with incompatible materials.

10.5. Incompatible materials

Acids, metals and strong oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition products are known. Contact with acids liberates toxic gas.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Sodium Chloride CAS Number: 7647-14-5	3000mg/kg (rat)	No data available	No data available	No data available	No data available
Sodium hydroxide CAS Number: 1310-73-2	500mg/kg (rabbit)	1350 mg/kg (rabbit, LC50)	No data available	No data available	No data available
Sodium hypochlorite CAS Number: 7681-52-9	8.9g/kg (rat)	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

12. Ecological information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium Chloride CAS Number: 7647-14-5	4747-7824 mg/l (rainbow trout)	874 mg/l (daphnia magna)	Not Available
Sodium hydroxide CAS Number: 1310-73-2	125 mg/L (western mosquitofish)	34.59-47.13 mg/L (water flea)	Not Available
Sodium hypochlorite CAS Number: 7681-52-9	0.03-0.07 mg/L (rainbow trout)	Not Available	Not Available



Safety Data Sheet

Sodium Hypochlorite, 12.5%

SDS Revision Date:

05/06/2015

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1791	UN1791	UN1791
14.2. UN proper shipping name	UN1791, Hypochlorite solutions, 8, II	Hypochlorite solutions, 8, II	Hypochlorite solutions, 8, II
14.3. Transport hazard class(es)	DOT Hazard Class: 8	IMDG: 8 Sub Class: Not Applicable	Air Class: 8
14.4. Packing group	II	II	II
14.5. Environmental hazards			
IMDG	Marine Pollutant: Yes		
14.6. Special precautions for user	No further information		

15. Regulatory information

Regulatory Overview	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.



Safety Data Sheet

Sodium Hypochlorite, 12.5%

SDS Revision Date:

05/06/2015

EPCRA 311/312 Hazardous Chemicals:

Yes

EPCRA 302 Extremely Hazardous:

Not listed

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute

Massachusetts Right to Know: Sodium Hydroxide (1310-73-2), Sodium Hypochlorite (7681-52-9)

New Jersey Right to Know: Sodium Hydroxide (1310-73-2), Sodium Hypochlorite (7681-52-9)

Pennsylvania Right to Know: Sodium Hydroxide (1310-73-2), Sodium Hypochlorite (7681-52-9)

Rhode Island Right to Know: Sodium Hydroxide (1310-73-2), Sodium Hypochlorite (7681-52-9)

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

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