

SAFETY DATA SHEET

Revision Date 30-Jan-2020

Version 1

1. Identification

Product identifier

Product Name NC Spa Chemistry Spa Brominating Concentrate Spa Sanitizer

Other means of identification

Product Code 14224NCM

UN/ID no UN1759

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Spa Sanitizer

Restrictions on use Do not mix with other chemicals

Details of the supplier of the safety data sheet

Supplier Address

NC Brands.
PO Box 300002.
Lawrenceville, Ga. 30049-1002
Phone Number -1-800-859-7946.

Emergency telephone number

Emergency Telephone Chemtrec (Transportation) 1-800-424-9300, 703-527-3887
Poison Control Center (Medical) : (877) 800-5553

2. Hazard(s) identification

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 5
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Danger Warning

Hazard statements

Harmful if swallowed
May be harmful in contact with skin
Causes severe skin burns and eye damage
May cause respiratory irritation
May form combustible dust concentrations in air



Appearance granules **Physical state** Solid **Odor** Bromine

ATTENTION: Product as sold is not expected to produce respiratory effects. See Section 11 (Toxicological Information) for additional details on inhalation.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wear protective gloves/clothing and eye/face protection
 Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 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 or doctor/physician
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove person to fresh air and keep comfortable for breathing
 Immediately call a POISON CENTER or doctor/physician
 Call a POISON CENTER or doctor/physician if you feel unwell
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 Rinse mouth
 Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Information

Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

3. Composition/information on ingredients

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	Trade Secret
Sodium Dichloro-S-Triazinetrione	2893-78-9	82.5	
sodium bromide	7647-15-6	14.7	

4. First-aid measures

Description of first aid measures

General advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
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 off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
Ingestion	Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage.

5. Fire-fighting measures

Suitable Extinguishing Media Large Fire	Flood fire area with water from a distance. CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not use dry chemicals, carbon dioxide, or halogenated extinguishing agents.
Specific hazards arising from the chemical	Do not let the fire burn. Thermal decomposition can lead to release of toxic and corrosive gases/vapors. Wet material may generate nitrogen trichloride, an explosion hazard.
Hazardous combustion products	Chlorine gas. Bromine gas. Nitrogen trichloride. Nitrogen. Phosgene. Cyanogen chloride. Carbon oxides.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Methods and material for containment and cleaning up

Methods for containment Do not add water to spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal. Do not close containers containing wet or damp material. They should be left open to disperse any hazardous gases that may form.

Methods for cleaning up Do not use floor sweeping compounds to clean up spills. Do not transport wet or damp material. Contact supplier in Section 1 for instructions, especially for damp or contaminated material.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Do not mix with other chemicals.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

Control parameters

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

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

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.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Solid
Appearance granules

Color white
Odor Bromine
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4 - 5	in 1% Solution
Melting point / freezing point	240 °C / 464 °F	Decomposes on heating
Boiling point / boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	
Water solubility	Soluble in water	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other information

Explosive properties No information available
Oxidizing properties This product is not classified as an oxidizer under GHS.
Softening point No information available
Molecular weight No information available
VOC content No information available
Density 0.90-0.96 g/cm3
Bulk density No information available

10. Stability and reactivity

Reactivity No information available.
Chemical stability Stable under normal conditions.
Possibility of hazardous reactions None under normal processing.
Conditions to avoid Extremes of temperature and direct sunlight. Protect from moisture. Do not mix with other chemicals.
Incompatible materials Incompatible with strong acids and bases. Ammonia. Calcium hypochlorite. Do not mix with other swimming pool/spa chemicals in their concentrated forms. Reducing agent.
Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapors. Chlorine gas. Bromine gas. Nitrogen trichloride. Nitrogen. Cyanogen chloride. Carbon oxides. Phosgene.

11. Toxicological information

Information on likely routes of exposure

Inhalation Irritating to respiratory system.
Eye contact Causes serious eye damage.

Skin contact Irritating to skin. Contact with moist skin may cause skin burns. Causes burns. May be harmful in contact with skin.

Ingestion Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 858.00 mg/kg
 ATEmix (dermal) 2,061.00 mg/kg
 ATEmix (inhalation-dust/mist) 15.18 mg/l

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Dichloro-S-Triazinetrione 2893-78-9	= 735 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 50 mg/L (Rat) 1 h
sodium bromide 7647-15-6	= 3500 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-

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

Skin corrosion/irritation DRY MATERIAL CAUSES MODERATE SKIN IRRITATION, WET MATERIAL CAUSES SKIN BURNS.

Serious eye damage/eye irritation May cause burns.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Dichloro-S-Triazinetrione 2893-78-9	-	LC50: 0.13 mg/L (96h, Salmo gairdneri)	-	EC50: 0.28 mg/L (48h, Daphnia magna)
sodium bromide 7647-15-6	EC50: 5800 - 24000mg/L (96h, Scenedesmus pannonicus)	LC50: 24000 - 96000mg/L (96h, Oryzias latipes) LC50: =24000mg/L (96h, Oryzias latipes) LC50: 16000 - 24000mg/L (96h, Poecilia reticulata) LC50: =16000mg/L (96h, Poecilia reticulata) LC50: 15614 - 17428mg/L (96h, Pimephales promelas) LC50: >1000mg/L (96h, Lepomis macrochirus) LC50: 0.054 - 0.081mg/L (96h, Oncorhynchus mykiss) LC50: >1000mg/L (96h, Oncorhynchus mykiss)	-	EC50: 5800 - 48000mg/L (48h, Daphnia magna) EC50: 5700 - 10800mg/L (48h, Daphnia magna)

Persistence and degradability No information available.

Bioaccumulation Bioaccumulative potential.

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

Contaminated packaging Do not reuse empty containers.

14. Transport information

Note: Limited quantity (LQ) exception is possible.

DOT

UN/ID no	UN1759
Proper shipping name	Corrosive solids, n.o.s.
Transport hazard class(es)	8
Packing Group	III
Emergency Response Guide Number	154

IATA

UN number or ID number UN1759
 Proper shipping name Corrosive solid, n.o.s. (Sodium dichloro-s-triazinetriene)
 Transport hazard class(es) 8
 Packing group III

IMDG

UN number or ID number UN1759
 Proper shipping name Corrosive solid, n.o.s. (Sodium dichloro-s-triazinetriene)
 Transport hazard class(es) 8
 Packing Group III
 EmS-No F-A, S-B
 Marine pollutant P

15. Regulatory information

International Inventories

TSCA Complies.
 DSL/NDSL Complies.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

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.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

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).

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.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium Dichloro-S-Triazinetrione 2893-78-9	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number 5185-376-45729

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Difference between SDS and EPA Pesticide label

DANGER: Corrosive: Causes irreversible eye damage. Causes skin burns. Harmful if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear protective eyewear (safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

16. Other information

NFPA	Health hazards 3	Flammability 0	Instability 1	Special hazards -
HMIS	Health hazards 3	Flammability 0	Physical hazards 1	Personal protection X

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

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

- Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEGl(s))
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- U.S. Environmental Protection Agency High Production Volume Chemicals
- Food Research Journal
- Hazardous Substance Database
- International Uniform Chemical Information Database (IUCLID)
- National Institute of Technology and Evaluation (NITE)
- Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
- NIOSH (National Institute for Occupational Safety and Health)
- National Library of Medicine's ChemID Plus (NLM CIP)
- National Library of Medicine's PubMed database (NLM PUBMED)
- National Toxicology Program (NTP)
- New Zealand's Chemical Classification and Information Database (CCID)
- Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
- Organization for Economic Co-operation and Development High Production Volume Chemicals Program
- Organization for Economic Co-operation and Development Screening Information Data Set
- World Health Organization

Revision Date 30-Jan-2020
Revision Note No information available.

Disclaimer

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