



Sodium PerCarbonate

SAFETY DATA SHEET

Page: 1 of 8

SDS#: 1714

Review/Revision Date: 05/15/17

SECTION 1 - General Information And Chemical Product Identification

Trade Name: **Sodium PerCarbonate**

CAS #: **Mixture**

Chemical Name: **Sodium Carbonate, Peroxyhydrate**

Product Code:
SodaAsh/Perc

Application/Uses/ **Cleaning products.**

Restrictions **None specified**

Distributor Information **LidoChem, Inc. 20 Village Court, Hazlet, NJ 07730, Phone: (732) 888 8000
Fax: (732) 264 2751 * email: info@lidochem.com**

Emergency phone #: **CHEMTREC - Day or Night - at 800 424 9300**

SECTION 2 - Hazard(s) Identification

Classification of the substance or mixture (GHS-US)

Ox Sol (Cat 2)
Acute Tox, (Cat 4)
Eye Dam. (Cat 1)

GHS Precautionary Statements - Prevention, Response, Storage, Disposal

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P264: Wash skin thoroughly after handling

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

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

P330: Rinse mouth

P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P337+313: If eye irritation persists get medical advice/attention

P305+351+338 + 310: 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

P501: Dispose of contents/container to an approved disposal facility Consider Federal, State and Local regulations.

Physical Hazards

May intensify fire; oxidizer

Hazard Statement

H272 – May intensify fire; oxidiser.

H302: Harmful if swallowed

H318: Causes serious eye damage

H402: Harmful to aquatic life

H412: Harmful to aquatic life with long lasting effects

OSHA Defined Hazards

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910,1200.

HNOC - Hazards Not Otherwise Classified

No other hazards classified



Oxidizer



Corrosive



Irritant

Signal Word

Danger

SECTION 3 Composition/information On Ingredients

Molecular Weight: **157.01**

Chemical FORMULA: **2Na₂CO₃·3H₂O₂**

| CAS#: | Common Name/Synonyms: | % by Wt. |
|------------|--------------------------------|----------|
| 15630-89-4 | Sodium Carbonate Peroxyhydrate | Min 88 |
| 497-19-8 | Sodium Percarbonate | 20 |
| 7757-82-6 | Sodium Sulfate | 4-9% |

SECTION 4 - First Aid Information

Description of first aid measures

General Advice:

Check the vital functions. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

If Inhaled:

Remove to fresh air. If breathing becomes difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration. Get medical attention. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation.

In Case Of Skin Contact:

In case of contact, immediately wash with plenty of soap and water for at least 20 minutes. Remove contaminated clothing and shoes before reuse or discard if they cannot be thoroughly cleaned. Seek medical attention in case of persistent pain or redness.

In Case Of Eye Contact:

Flush eyes with large quantities of running water for a minimum of 20 minutes. If victim is wearing contact lenses, remove them. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not used at this time. Get medical attention in all cases.

If Swallowed:

If victim is conscious and alert, give 2-3 glasses of water to drink and do not induce vomiting. **Never give anything to eat or drink to someone who is unconscious, having convulsions, or unable to swallow.** Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Most important symptoms and effects, both acute and delayed:

Ingestion: Slightly toxic. Severe irritation of the mouth, throat, esophagus and stomach, bloating of stomach, belching.

Eye: Extremely irritating, watering, redness, can cause burns to the eyes, risk of serious or permanent eye lesions

Skin: Slightly irritate. repeated contact: risk of dermatitis

Inhalation: Moderately irritate to respiratory tract (including mucous membranes, throat and lungs) at high concentration, cough. repeated or

Indication of any immediate medical attention and special treatment needed:

No additional information

SECTION 5 - Fire And Explosion Data

Suitable Extinguishing Media:

Use water only. Quantities of water.

Unsuitable Extinguishing Media:

Do not use dry chemicals, CO₂, Halon or foams.

Specific Hazards arising from the chemical:

Oxygen evolution as a result of decomposition may burst sealed containers and accelerate the burning rates of other combustible materials.

OXIDIZER Upon combustion: CO and CO₂ are formed.

Special protective equipment and precautions for fire-fighters:

Gloves. Safety glasses. Protective clothing. Dust cloud production: compressed air/oxygen apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

Fire-fighting equipment/instructions

Personnel should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus. If safe to do so, remove unaffected product to a safe place. Stay upwind of of smoke & keep unauthorized personnel away

Specific Methods

Standard procedure for chemical fires.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Do not touch or walk through spilled material. Keep Unauthorized personnel away. Avoid forming dust. After wearing and using recommended protective equipment, stop source of spill if safe to do so and dike area to contain spill. See Section 8 for personal protective equipment. Wear appropriate protective gear for the situation.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and Materials for Containment and Clean Up:

Sweep up into clean dry plastic bags. Do not return to original container. Avoid materials and products which are incompatible. Clean area with large quantities of water.

Section 7- Handling and Storage

Precautions for safe handling:

Transport or store in a dry place. Store material in a well ventilated area. Store in a safe place avoid damage.

Conditions for safe storage:

Store in a cool shaded position. Store away from ignition sources and away from strong acids.

Incompatibilities:

Strong reducing agents, Strong acids, Organic materials, Powdered metals

Section 8 - Exposure Control and Personal Protection

Occupational Exposure Limits:

| Chemical Identity: | CAS #: | Exposure Limit Values | | SOURCE | OSHA/PPM |
|--------------------------------|------------|-----------------------|------|------------------------------|----------|
| | | TWA | STEL | | PEL |
| Sodium Carbonate Peroxyhydrate | 15630-89-4 | None | | ACGIH Threshold Limit Values | None |
| Sodium Percarbonate | 497-19-8 | None | | ACGIH Threshold Limit Values | |
| Sodium Sulfate | 7757-82-6 | | | ACGIH Threshold Limit Values | |

Exposure Limits and Appropriate Engineering Controls:

Provide ventilation in work areas to keep dust below the following applicable limits:

ACGIH TLV - 10 mg/m³ 8 hr TWA for particulates not otherwise classified -

OSHA PEL- 15 mg/m³ 8 hr TWA for nuisance particulates

Individual Protection Measures, (Personal Protective Equipment):

Eye Protection

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

Skin Protection

Skin contact should be minimized through use of protective gloves made of P[VC, neoprene or rubber and suitable long-sleeved clothing (i.e. shirts and pants). Consideration must be given to both to durability as well as permeation resistance.

Other Protection:

Skin: Avoid excessive contact. When prolonged or frequently repeated contact could occur, use protective clothing impervious to sodium percarbonate. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation. Keep away incompatibles.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Ventilation Limits:

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: local exhaust ventilation at the point of generation.

Hygienic Practices:

All food / smoking materials should be kept in a separate area away from the storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, drinking or smoking, hands and face should be thoroughly washed. **Facilities storing or using this material should be equipped with an eyewash and safety shower.**

Section 9 - Physical and Chemical Properties

Appearance And Odor: White free flowing granules, odorless

pH: pH: 11 +/- (1% solution)

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: Not Flammable

Evaporation Rate: No data available

Solubilities: No data available

Specific Gravity: No data available

Bulk Density: No data available

Other Information:

Flammable Limits: No data available

UEL: No data available

LEL: No data available

Vapor Pressure(mm/hg): No data available

Vapor Density(air=1): No data available

Autoignition Temp: No data available

Decomposition Temp: No data available

Reactivity In Water: No data available

Viscosity: No data available

Section 10 - Stability and Reactivity**Chemical Stability and Reactivity:**

Product is considered stable at room temperatures.

Possible Hazardous Reactions:

No data available

Conditions to Avoid:

Avoid moisture. Avoid temperatures above 60°C, direct sunlight and contact with sources of heat.

Incompatible Materials:

Strong reducing agents, Strong acids, Organic materials, Powdered metals

Hazardous Decomposition Products:

Heat and oxygen, moisture.

Degradation: Decomposes readily to sodium carbonate and hydrogen peroxide. The latter quickly decomposes to water and oxygen.

Section 11- Toxicological Information

Information On The Likely Routes Of Exposure: Inhalation, Ingestion and Dermal.

Symptoms Related To The Physical, Chemical And Toxicological Effects:

Inhalation Effects:

No data available

Skin Effects:

Rabbit: slight irritant (Skin)

Dermal Toxicity:

Rabbit, slight irritant (Skin)

LD50 Dermal - Rabbit > 2,000 mg/kg

Eye Effects:

Rabbit: irritant

Ingestion Effects:

LD50 1,034 mg/kg

Sensitization:

No information found

Carcinogenicity/Mutagenicity:

Not considered a carcinogen by NTP, IARC, OSHA.

No information found on Mutagenicity.

Reproductive Effects:

No information found

Neurotoxicity:

No information found

Target Organs:

No information found

Additional Toxicological Information:

No information found

Section 12- Ecological Information

Ecotoxicity:

Fish, pimephales promoelas: LC50, 70.7 mg/l Fish, 96 hours,

Degradability:

Possible hazardous short term degradation products are not likely.

Bioaccumulative potential:

Does not bioaccumulate.

Mobility in the Soil:

No data available

Additional Adverse effect on environment:

1 mg/l, Crustaceans, Daphnia pulex; EC50, 4.9 mg/l . Possible hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are more toxic.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

SECTION 13 - Disposal Considerations**Disposal Instructions and Regulations:**

Dispose of in approved waste facility operated by an authorized contractor and in compliance with federal, state, and local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

Hazardous Waste Code: RCRA Hazardous waste D001 if discarded.

Container Disposal Information:

Dispose of in approved waste facility operated by an authorized contractor and in compliance with federal, state, and local regulations. Fiber drums with liners: complete empty by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then dispose of liner in sanitary landfill or by incineration if allowed by law. If drum is contaminated and cannot be reused, dispose of accordingly.

Section 14 - Transport Information**US DOT, IATA, IMO, ADR:**

Proper Shipping Name: Sodium Carbonate Peroxyhydrate

D. O. T. Hazard Class: 5.1

UN #: 3378

Label Requirement: Oxidizer

RQ: 100 lbs.

Placard: Oxidizer

CAS: Mixture

Packing Group: III

ERG Book Information: 140

Environment Hazards: Yes

Marine Pollutant: No

Special Precautions: No

IATA: Yes

Section 15 - Regulatory Information**US Federal - OSHA Status:**

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status:

Listed/Reportable

U.S. SARA Reporting Requirements:**SARA Title III Hazard Classes Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:**

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

SARA Title III Hazard Classes Sections 311/312:

Immediate (acute) health hazard

Reactive Hazard

SARA Section 313 Toxic Chemicals:

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

CAS# **Chemical Name:**

This material does NOT contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

SARA Superfund Section 110:

This product does not contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

CERCLA, 40 CFR 117, 302:

This product does not contain ingredients specified in the List of Extremely Hazardous Substances.

CERCLA listed substances are:

none

Other Federal Reporting Requirements:

CAA: Not listed
CWA: Not listed
RCRA: RCRA Waste Number: D001, Ignitable

State Reporting Requirements:

State Right to Know Laws:

| CAS# | State RTK | Chemical Name |
|------------|-----------|---|
| 15630-89-4 | PA, MA | Disodium carbonate, compound with hydrogen peroxide (2:3) |

CALIFORNIA PROPOSITION 65:

This product does NOT contain a chemical or chemicals subject to California Proposition 65.

Michigan Critical Materials:

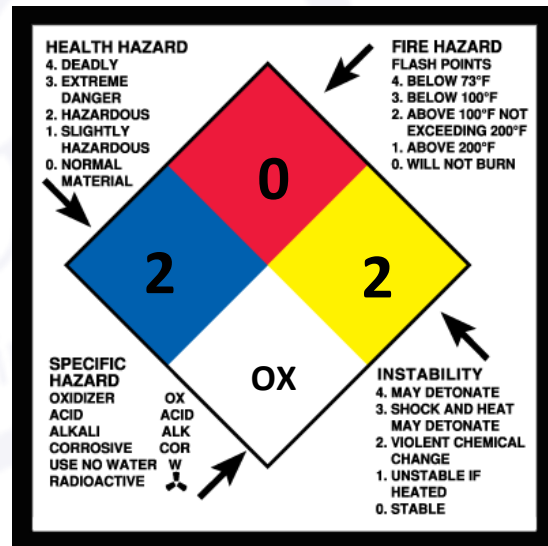
This product does NOT contain ingredients listed on the Michigan Critical Materials Register.

Global Lists/International Inventories:

Canada CEPA: DSL Registration: non confidential #8694
Canada WHMIS: Oxidizing material, D2B Poisonous and infectious material - other toxic effects

SECTION 16 - Other Information

5-15-17 Reviewed - updated to GHS Format, destroy old MSDS's and use this one.



Date of last revision:

5-15-2017

Sodium PerCarbonate
SAFETY DATA SHEET

NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Material Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Material Safety Data Sheet available to your employees.

Key Legend Information:

| | | | |
|-----------------|--|---------|--|
| N/Ap: | Not Applicable | ND: | Not Determined |
| N/R: | Not Rated | NDA: | No Data Available |
| ACGI | American Conference of Govr'ntal Industrial Hygienists | TLV: | Threshold Limit Value |
| OSHA: | Occupational Safety and Health Administration | TWA: | Time Weighted Average |
| PEL: | Permissible Exposure Limit | NTP: | National Toxicology Program |
| STEL: | Short Term Exposure Limit | TSCA: | Toxic Substance Control Act |
| IARC: | International Agency for Research on Cancer | CERCLA: | Comprehensive Response, Compensation and Liability Act |
| SARA Title III: | Superfund Amendments and Reauthorization Act | CWA: | Clean Water Act |
| CAA: | Clean Air Act | | |
| RCRA: | Resource Conservation Recovery Act | | |
| IATA: | International Air Transport Association Shipping Info. | IMO: | International Maritime Organization Shipping Info. |
| DSL: | Domestic Substance List (Canada) | WHMIS: | Workplace Hazardous Materials Information System |

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. This Safety Data Sheet was prepared to comply with OSHA Hazard Communication standard. (29 CFR 1910.1200 HazCom 2012). This supersedes any previous information. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by LidoChem, Inc. as to the effects of such use or the results to be obtained, nor does LidoChem, Inc. assume any liability arising out of use, by others, of the products referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist because of applicable laws or government regulations. All LidoChem Inc. SDS's are reviewed every three years or sooner if necessary. Please check the Review Date on Page 1 for most current version. Please request a new SDS from LidoChem, Inc. if the date is older than 3 years.