ESSENTIAL CHEMISTRY. INNOVATIVE SOLUTIONS.

SAFETY DATA SHEET

Print Date: *May 24, 2019*

Section 1: Product & Company Information

Product Identifier: **Sodium Percarbonate**

Other Means of Identification
Product Number: *130759*

Recommended Use and Restrictions on Use
Recommended Use: *Bleaching agent, cleansing product, oxidant, washing products: be*
Restrictions on Use: *No data available.*

Manufacturer / Importer / Supplier / Distributor Information
Company Name: *CORECHEM Inc.*
Address: *4320 Greenway Drive*
Knoxville, TN 37918
USA

Information Telephone Number: *1-865-524-4239*
Fax Number: *1-865-524-3375*
Website: *www.corecheminc.com*
Contact Person: *Regulatory Manager*
E-mail: *regulatory@corecheminc.com*

Emergency Phone Number: *Chemtrec® 1-800-424-9300 / Outside USA 1-703-527-3887 (monitored 24 hours/day)*

Section 2: Hazards Identification

GHS Hazard Classification(s)
In accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).

Physical Hazard(s)
Oxidizing, Solids - 2

Health Hazard(s)
Acute Toxicity, Oral - 4
(Corrosion)Damage/Irritation, Eye - 1

Environmental Hazard(s)
Not Classified

Label Elements
Signal Word
DANGER

Hazard Symbol(s)

Hazard Statement(s)
H272: May intensify fire; oxidizer.
H302: Harmful if swallowed.
H318: Causes serious eye damage.

Precautionary Statements
General
Not applicable.

Prevention
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P220: Keep/Store away from clothing/combustible materials.
P221: Take any precaution to avoid mixing with combustibles.
P264: Wash face, hands and any exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response
P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338: IF IN EYES: Rinse cautiously 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.
P330: Rinse mouth.

P370 + P378: In case of fire: Use suitable extinguishing media for extinction.

Storage

Not applicable.

Disposal

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC)

None known.

Section 3: Composition/Information on Ingredients

Substance

Chemical Identity [2]	Common Name/Synonym(s)	CAS # [3]	Weight %	Impurity or Stabilizing Additive
Disodium Carbonate, Compound With Hydrogen Peroxide (2:3)	*Hydrogen Peroxide Sodium Carbonate Adduct*	*15630-89-4*	*>95%*	*No*

1. *Information regarding the composition and the percent ranges of the mixtures ingredients are not presented as it Confidential Business Information (CBI). Where a medical emergency exists (as determined by medical professional), timely disclosure of CBI is assured. The information omitted pertains to only the names of the substances and the concentration in the mixture (product) and can only be requested by a doctor/physician or Local/State/Provincial or Federal Authority.*
2. *Non-hazardous ingredients are not presented as to protect the proprietary formula of the product.*
3. *"—"Indicates ingredient is a mixture and contains multiple ingredients or may have no identifying CAS number.*

Section 4: First-Aid Measures

General Information

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with labored breathing: half seated. Victim is in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/ aspiration pneumonia. Prevent cooling by covering the victim (no warming up.) Keep watching the victim. Give psychological aid. Keep victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

Inhalation

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

Skin Contact

Rinse with water. Take victim to a doctor if irritation persists.

Eye Contact

Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. Take victim to a ophthalmologist.

Ingestion

Rinse moth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

Most important symptoms/effects, acute and delayed

Symptoms

After inhalation of dust: Dry/sore throat. Coughing, irritation of the respiratory tract. Irritation of the nasal mucous membranes. After skin contact: not irritating. After eye contact: inflammation/damage of the eye tissue. Corrosion of the eye tissue. After ingestion: Nausea. Vomiting. Delayed symptoms: No effects known.

Indication of immediate medical attention and special treatment needed

Hazards

No data available.

Treatment

No data available.

Section 5: Fire-Fighting Measures

General Fire Hazards

No data available.

Suitable (and Unsuitable) Extinguishing Media

Suitable Extinguishing Media

Use flooding quantities of water.

Unsuitable Extinguishing Media

No data available.

Specific Hazards Arising from the Chemical

Upon combustion CO and CO2 are formed.

Special Protective Equipment and Precautions for Firefighters

Special Fire-Fighting Equipment Procedures

Cool tanks/drums with water spray. Remove them into safety. Do not move the load if exposed to heat. After cooling: persistent risk of physical explosion.

Special Protective Equipment for Fire-Fighters

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

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Prevent dust cloud formation. No naked flames.

Methods and Materials for Containment and Clean-Up

Prevent dust cloud formation. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Spill must not return to its original container. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

Notification Procedures

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental Precautions

Contain released substance, pump into suitable containers. Plug the leak and cut off the supply. Dam up the solid spill. Knock down/dilute dust cloud with water spray. Prevent spreading in sewers.

Section 7: Handling and Storage

Precautions for Safe Handling

Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

Conditions for Safe Storage, including any Incompatibilities

Store in a cool area. Keep out of direct sunlight. Store in a dry area. Keep only in the original container. Meet the legal requirements. Keep away from heat sources , combustible materials, oxidizing agents, (strong) acids, (strong) bases, metals, organic materials, water/moisture. Suitable Packaging materials: stainless steel, aluminum, polyethylene, polypropylene. Not suitable packaging: steel.

Section 8: Exposure Controls/Personal Protection

Control Parameters

Occupational Exposure Limits

The product does not contain any relevant quantities of hazardous materials with critical values that have to be monitored in the workplace.

Biological Limit Values

The product does not contain any relevant quantities of hazardous materials with assigned biological limit values.

Appropriate Engineering Controls

Avoid raising dust. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ ventilation or with respiratory protection.

Individual protection measures, such as personal protective equipment (PPE)

General Information

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.

Eye/Face Protection

Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.

Skin Protection

Hand Protection

Gloves. Materials for protective clothing (good resistance) PVC, rubber.

Other

Wear appropriate chemical resistant clothing.

Respiratory Protection

Dust Protection: dust mask with filter type P2.

Hygiene Measures

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

Section 9: Physical and Chemical Properties

Appearance:

Physical State:	*Crystalline solid or crystalline powder*
Color:	*White*
Odor:	*Odorless*
Odor Threshold:	*No data available.*
pH:	*10.4-10.6 140 g/l (20 °C)*
Melting Point/Freezing Point:	*No data available.*

Initial Boiling Point and Boiling Range:	*No data available.*
Decomposition temperature	*>75 °C*
Flash Point:	*Not applicable.*
Evaporation Rate *(butyl acetate=1)*:	*No data available.*
Flammability (solid, gas):	*No data available.*
Upper/Lower Limit on Flammability or Explosive Limits	
Flammability Limit – Upper:	*No data available.*
Flammability Limit – Lower:	*No data available.*
Explosive Limit – Upper:	*No data available.*
Explosive Limit – Lower:	*No data available.*
Vapor Pressure:	*No data available.*
Vapor Density *(air =1)*:	*No data available.*
Relative Density *(water=1)*:	*2.16 ; 20.4 °C*
Solubility(ies):	
Solubility in water:	*No data available.*
Solubility (other):	*No data available.*
Partition coefficient (n-octanol/water):	*No data available.*
Auto-Ignition Temperature:	*No data available.*
Decomposition Temperature:	*No data available.*
Viscosity:	*No data available.*
Oxidizing properties:	*May intensify fire; oxidizer*
Particle size:	*250-1000 µm*

Other Information:

Molecular Weight:	*157.01 g/mol*
Formula:	*$CNa_2O_3 \cdot 1.5H_2O_2$*

Section 10: Stability and Reactivity

Reactivity

Promotes combustion. Substance has basic reaction.

Chemical Stability

Unstable on exposure to heat. Unstable on exposure to moisture.

Possibility of Hazardous Reactions

Decomposes slowly. Oxidation resulting in increased fire or explosion risk. This reaction is accelerated on exposure to water(moisture) and temperature rise.

Conditions to Avoid

Avoid raising dust. Keep away from naked flames/heat.

Incompatible Materials

Combustible material, oxidizing agents, (strong) acids, (strong) bases, metals, organic materials, water/moisture, steel.

Hazardous Decomposition Products

Reacts with many compounds: oxidation resulting in increased fire or explosion risk. Upon combustion: CO and CO_2 are formed.

Section 11: Toxicological Information

Information on routes of exposure

Ingestion: *Harmful if swallowed. Low acute toxicity by oral route.*
Inhalation: *Low acute toxicity by inhalation route.*
Skin Contact: *Not irritating.*
Eye Contact: *Highly irritating to skin.*

Information on Toxicological Effects

Acute Toxicity (List all possible routes of exposure)

Oral

Sodium Percarbonate: LD50 (Rat): 1,034 mg/kg

Dermal

Sodium Percarbonate: LD50 (Rabbit): > 2,000 mg/kg

Inhalation

No data available.

Repeated Dose Toxicity

No data available.

Skin Corrosion/Irritation

Mild skin irritation.

Serious Eye Damage/Eye Irritation

Severe eye irritation.

Respiratory/Skin Sensitization

No data available.

Carcinogenicity

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

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.

US. National Toxicology Program (NTP) Report on Carcinogens

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.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Germ Cell Mutagenicity

In Vitro

No data available.

In Vivo

No data available.

Reproductive Toxicity

No data available.

Specific Target Organ Toxicity – Single Exposure

No data available.

Specific Target Organ Toxicity – Repeated Exposure

No data available.

Aspiration Hazard

No data available.

Other Effects

None known.

Section 12: Ecological Information

Ecotoxicity

Acute Hazards to the Aquatic Environment

Fish

Sodium Percarbonate: LC50 (Fathead Minnow (Pimephales Promelas), 96 h): 70.7 mg/l

Aquatic Invertebrates

Sodium Percarbonate: EC50 (Water flea (Daphnia magna), 48 h): 4.9 mg/l

Toxicity to Aquatic Plants

No data available.

Chronic Hazards to the Aquatic Environment

Fish

Harmful to fishes.

Aquatic Invertebrates

Toxic to invertebrates.

Toxicity to Aquatic Plants

No data available.

Persistence and Degradability

Biodegradation

There are no data on the degradability of this product.

BOD/COD Ratio

No data available.

Bioaccumulative Potential

Bioconcentration Factor (BCF)

Does not bioaccumulate.

Partition Coefficient n-octanol / water (log Kow)

No data available.

Mobility in Soil

Low potential for absorption in the soil.

Other Adverse Effects

Not included in the list of substances which may contribute to the greenhouse effect. Not classified as dangerous for the ozone layer.

Section 13: Disposal Considerations

Disposal Instructions

Waste material code (Directive 2008/98/EC, decision. 2000/0532/EC) 16 09 03 (Peroxides, for example hydrogen peroxide.) Depending on branch of industry and production process, also other EURAL codes may be applicable. Hazardous waste according to Directive 2008/98/EC. Remove waste I accordance with local and/or national regulations. Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste. Hazardous waste should not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

Contaminated Packaging

Waste material code packaging (Directive 2008/98/EC) 15 01 10 (Packaging containing residues of or contaminated by dangerous substances.)*

Section 14: Transportation Information

US Department of Transportation (DOT)

UN Number:	*UN3378*
UN Proper Shipping Name:	*Sodium carbonate peroxyhydrate*
Technical Name:	*-*
Hazard Class:	*5.1*
Subsidiary Hazard Risk:	*-*
Packing Group:	*II*
DOT Label/Placard Exemptions:	*Not determined*
Special Provisions:	*B120, IB8, IP2, IP4, T3, TP33*
Packaging Exceptions:	*49CFR 173.152*
Packaging Non-Bulk:	*49CFR 173.212*
Packaging Bulk:	*49CFR 173.240*
Reportable Quantity (RQ):	*None*
Marine Pollutant:	*No*
Poison Inhalation Hazard:	*No*
Special precautions for user:	*Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.*
Emergency Response Guidebook (ERG) #:	*140*

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

Section 15: Regulatory Information

US Federal Regulations

Toxic Substance Control Act (TSCA), Chemical Substance Inventory, Section 8(b)

This product or ingredient(s) are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance List (40 CFR 302.4)

No chemical(s) in this material are subject to the reporting requirements of CERCLA.

Clean Air Act (CAA), Section 112(r)

No chemical(s) in this material are subject to the reporting requirements of CAA.

Emergency Planning and Community Right-To-Know Act (EPCRA)

EPCRA 302 Extremely Hazardous Substance

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 302.

EPCRA 304 Emergency Response Notification

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 304.

EPCRA 311/312 Emergency and Hazardous Materials Reporting

Fire Hazard:	*No*
Sudden Release of Pressure:	*No*
Reactive:	*No*
Acute (Immediate) Health Hazard:	*Yes*
Chronic (Delayed) Health Hazard:	*No*

EPCRA 313 Toxic Chemical Release Inventory (TRI) Reporting

This material does not contain any chemical(s) with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Important Note: Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

Section 16: Other Information

Hazardous Materials Identification System (HMIS®) Classification

Health Hazard: 2
Chronic Health Hazard: /
Flammability: 0
Physical Hazard: 2
(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

National Fire Protection Association (NFPA 704) Rating

Health Hazard: 2
Fire Hazard: 0
Reactivity Hazard: 2
Special: OX
(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

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Key to Abbreviations and Acronyms

ATE - Acute Toxicity Estimate
BCF - Bioconcentration Factor
EC50 - Effective concentration, 50%
IDHL – Immediately Dangerous to Life and Health
Kg – Kilogram
l – Liter
lb – Pound
LC50 - Lethal Concentration, 50%
LD50 - Lethal Dose, 50%
mg - milligram
ml – milliliter
N/A – Not Applicable
N/D – Not Determined
PEL – Permissible Exposure Limit
REL – Recommended Exposure Limit
STEL – Short-term Exposure Limit
TWA - Time weighted average
ACGIH - American Conference of Industrial Hygienists
AIHA – American Industrial Hygiene Association
BEI - Biological Exposure Indices
CAS – Chemical Abstracts Service
DOT – US Department of Transportation
EPA – US Environmental Protection Agency
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC - Intermediate Bulk Container
IMDG - International Maritime Dangerous Goods
NIOSH – National Institute for Occupational Safety and Health
NTP – National Toxicology Program
OSHA – US Occupational Health and Safety Administration
SARA – US EPA Superfund Amendments and Reauthorization Act
TSCA – US EPA Toxic Substances Control Act
UN - United Nations

References

HSDB® - Hazardous Substances Data Bank

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