

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**Product Identifier:**

Name: Sodium Bicarbonate
Product Number(s): PD1007, PD1031, PD1032 (plus dash nos. of each)
CAS No: Mixture
Index No: Mixture
EC No: Mixture
REACH Registration No: None
Formula: NaHCO₃
Synonyms: G Powder, U Powder, W Powder

Intended use of the product and uses advised against:

Recommended use: Blasting abrasive

Details of the supplier of the safety data sheet:

Comco Inc.
 2151 N. Lincoln St.
 Burbank, CA 91504
 1-818-841-5500
info@comcoinc.com

Emergency telephone number:

1-818-841-5500

SECTION 2: Hazard(s) Identification**Classification of the substance or mixture****Regulation (EC) No. 1272/2008 (CLP)**

Hazard category	Hazard statement
None	None

Label elements

Hazard pictograms: None
Signal word: None
Hazard statements: None
Precautionary statements: None
Other hazards: Exposure may aggravate preexisting eye, skin or respiratory conditions.

SECTION 3: Composition/Information on Ingredients

Substance/Mixture: Mixture

Name:	CAS#	EC#	%W/W	REACH #	GHS Classification
Sodium Bicarbonate	144-55-8	205-633-8	99	N.A.	None
Tricalcium Phosphate	1306-06-5	215-145-7	1	N.A.	None

SECTION 4: First-Aid Measures**Description of first aid measures**

General information: None
After inhalation: Remove to fresh air. If symptoms persist, seek medical attention.
After skin contact: Remove contaminated clothing from area and wash affected skin thoroughly with water. If irritation persists or rash develops, seek medical attention.
After eye contact: Immediately flush eyes with water. Remove contact lenses if present and easy to do so. Seek medical attention if irritation persists.
After swallowing: Do not induce vomiting. If large quantities are swallowed, call physician immediately.
Most important symptoms and effects, both acute and delayed
Acute: Irritation and redness of eyes. Coughing and shortness of breath.
Delayed: Skin, eye, or respiratory tract irritation. If extremely large quantities are ingested, may cause vomiting, abdominal pain, diarrhea, dizziness and changes in blood chemistry. Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.

Indication of any immediate medical attention and special treatment

Treat symptomatically.

SECTION 5: Fire-Fighting Measures**Extinguishing media**

Suitable extinguishing media: Extinguisher suitable for ordinary combustible materials. Class A extinguishing agents.

Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.



Special hazards arising from the substance or mixture:

High temperature decomposition may generate carbon dioxide, which is an asphyxiant, and sodium oxides.

Advice for firefighters

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Extinguish preferably with dry chemical, foam, or water spray.

SECTION 6: Accidental Release Measures**Personal precautions, protective equipment and emergency procedures****For non-emergency personnel:**

Wear suitable protective clothing. Avoid dust generation.

For emergency responders:

Wear suitable protective clothing. Avoid dust generation.

Environmental precautions:

Ventilation recommended. Avoid release to the environment. Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.

Reference to other sections:

See also sections 7 for information on safe handling, section 8 for information on personal protection equipment, and section 13 for disposal information.

Additional information: None

SECTION 7: Handling and Storage**Precautions for safe handling****Protective measures:**

Avoid accumulation of dust. Use only in well-ventilated areas.

Hygiene measures:

Do not eat drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and protective gear before entering eating areas.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep/store away from direct sunlight. Segregate from strong acids, strong bases, strong oxidizers, water, and lime. Storage temperature <65 °C (150 °F).

Specific end uses:

General industrial use.

SECTION 8: Exposure Controls/Personal Protection**Control parameters****Occupational exposure limits:**

Substance	CAS #	Exposure Limit	Note:
Sodium Bicarbonate	144-55-8	10 mg/m ³ LTEL, 3 mg/m ³ respirable fraction	ACGIH
		15 mg/m ³ TLV, 5 mg/m ³ respirable fraction	OSHA

Substance not otherwise regulated

Tricalcium Phosphate	1306-06-5	15 mg/m ³ LTEL	
		5 mg/m ³ TLV	

Biological limit values:

No data

DNEL/PNEC-values:

No data

Exposure controls**Appropriate engineering controls:**

For occupational/workplace settings: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal protective equipment**Hand protection:**

Gloves if desired

Eye protection:

Goggles if desired.

Body protection:

Clean clothing to cover skin.

Respiratory protection:

Approved NIOSH dust mask if recommended exposure levels are exceeded.

Environmental exposure controls:

None

SECTION 9: Physical and Chemical Properties**Information on basic physical and chemical properties****Appearance:**

Crystalline powder

Color:

White

Odor:

Odorless

Odor threshold:

Not Applicable

pH:

8.3 in 0.1M solution

Melting point/range:	50 °C (decomposes)
Boiling point/range:	851 °C
Flash point:	Incombustible
Evaporation rate:	Not Applicable
Flammability (solid, gas):	Not Available
Upper/lower flammability/explosive limits:	Not Available
Auto-ignition temperature:	Not Available
Decomposition temperature:	> 50 °C
Vapor pressure:	Not Applicable
Vapor density:	Not Applicable
Relative density:	0.99 g/cm ³
Solubility:	Water: 8.6 g/100 ml
Viscosity, dynamic (20 °C):	Not Available
Viscosity, kinematic:	Not Available
Explosive properties:	Not Available
Oxidizing properties:	None
Partition coefficient: n-Octanol/Water:	Not Available

Physical hazards: Not Available

Other information: No additional information

SECTION 10: Stability and Reactivity

Reactivity:	Decomposes slowly in moist air and upon rising temperatures.
Chemical stability:	Hygroscopic.
Possibility of hazardous reactions:	None under normal use conditions.
Conditions to avoid:	Dust generation without adequate ventilation. Moisture. Incompatible materials. High temperature. Direct sunlight.
Incompatible materials:	Strong acids, strong bases, strong oxidizers, water, and lime. Dangerous reaction with monoammonium phosphate and sodiumpotassium alloys.
Hazardous decomposition products:	CO ₂ above 109 °C

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity:	LD50: 7.3 g/kg – oral, rat LC50: 4.74 mg/L – inhalation, rat
Skin corrosion/irritation:	May cause mechanical skin irritation. Not corrosive.
Serious eye damage/irritation:	May cause mechanical eye irritation.
Respiratory or skin sensitization:	Material is irritating to mucous membranes and upper respiratory tract.
Germ cell mutagenicity:	None
Carcinogenicity:	Not classified.
Reproductive toxicity:	None
Specific target organ toxicity (single exposure):	No data
Specific target organ toxicity (repeated exposure):	No data
Aspiration hazard:	No data
Other information:	Ingestion may cause alkalosis.

SECTION 12: Ecological Information

Toxicity

Ecotoxicity effects:	Sodium Bicarbonate (144-55-8)
	LC50 Fish 1: 7100 mg/l Bluegill
	EC50 Daphnia 1: 4100 mg/l Daphnia
	LC50 Fish 2: 7700 mg/l Rainbow Trout
Persistence and degradability:	Not Established.
Bioaccumulative potential:	Not Established.
Mobility in soil:	No data
Results of PBT & PvB assessment:	No data
Other adverse effects:	No known significant effects or critical hazards

SECTION 13: Disposal Considerations

Waste treatment methods

Recommendations: If product becomes contaminated, follow disposal instructions for contaminant. Dispose of in accordance to federal, state, and local regulations. Do not allow product to reach sewage system. Recycle packaging if possible.

Additional information: None

SECTION 14: Transport Information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
UN number	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name	None	None	None	None
Transport hazard class(es)	None	None	None	None
Hazard label(s)	None	None	None	None
Packing group	None	None	None	None
Environmental hazards	None	None	None	None

Special precautions for user: None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Federal regulations

- TSCA Chemical Inventory Status: All components of this product are listed.
- CERCLA Reportable Quantity: None.
- SARA Title III:
 - Section 302 Extremely Hazardous Substances: None.
 - Section 313 Toxic Categories: None.
- Clean Air Act of 1990 – Title VI: This material does not contain, nor was it manufactured using ozone depleting chemicals.

US State regulations

- California Proposition 65: Not listed.
- Massachusetts Right to Know List: Not listed.
- Minnesota Hazardous Substance List: Not listed.
- New Jersey Right to Know List: Not listed.
- Pennsylvania Right to Know List: Not listed.

Canadian Regulations:

- WHMIS Classification: D2B.
- DSL (Domestic Substance List): All components of this product are listed on the DSL.
- IDL (Ingredient Disclosure List): Not listed.

EU Regulations (EINECS 205-633-8)

- Indication of Danger: Not dangerous.
- This product is considered non-dangerous in accordance with 1999/45/EC.

Other International Regulations:

- Australian Inventory of Chemical Substances: Listed on the AICS
- Inventory of Existing Chemical Substances Produced or Imported in China: Listed on IECSC
- Japanese Existing & New Chemical Substances inventory: Listed on the ENCS
- Korean Existing Chemicals List: Listed on the ECL
- Mexican National Inventory of Chemical Substances: Listed on INSQ
- New Zealand Inventory of Chemicals: Listed on NZIoC
- Philippines Inventory of Chemicals and Chemical Substances: Listed on PICCS
- Turkish Inventory and Control of Chemicals: Listed on CICR

Chemical Safety Assessment: No

SECTION 16: Other Information

Date of preparation: 02/25/2025

Revision version: J

Reason for Revision: Updates to section 3 and 8.

NFPA hazard rating:

Health hazard: 1 – Exposure could cause irritation but only minor residual injury even if no treatment is given.

Fire hazard: 0 – Will not burn under typical fire conditions.

Reactivity: 1 – Normally stable, but can become unstable at elevated temperatures and pressures.



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