

**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:** NaHCO<sub>3</sub>  
**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](mailto: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	7758-87-4	231-840-8	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 <sup>3</sup> LTEL, 3 mg/m <sup>3</sup> respirable fraction	OSHA
		15 mg/m <sup>3</sup> TLV, 5 mg/m <sup>3</sup> respirable fraction	ACGIH
Tricalcium Phosphate	1306-06-5	15 mg/m <sup>3</sup> LTEL	OSHA
		5 mg/m <sup>3</sup> TLV	ACGIH

**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

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

**Physical hazards:** Not Available

**Other information:** No additional information

#### SECTION 10: Stability and Reactivity

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

#### SECTION 11: Toxicological Information

##### Information on toxicological effects

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

#### SECTION 12: Ecological Information

##### Toxicity

<b>Ecotoxicity effects:</b>	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:**

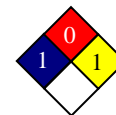
- WHMIS Classification: D2B.
- DSL (Domestic Substance List): All components of this product are listed on the DSL.
- IDL (Ingredient Disclosure List): Not listed.

**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:** 04/27/2020**Revision version:** I**Reason for Revision:** Updates to section 1, L powder obsoleted**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.**Disclaimer:** To the best of our knowledge, the information contained in this SDS is accurate or believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein.