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Safety Data Sheet

Section 1: Product and Company Identification

Product name	: Carbonic acid hydrogen sodium salt
Product code	: EZB-MP
Supplier name	: EZ Blust Japan Co;Ltd
Supplier address	: 3-42-8 Matsushima, Edogawa-ku, Tokyo 132-0031
Supplier telephone number	: +81-120-139-639
Supplier FAX number	: +81-299-24-2406
Supplier e-mail address	: info@ezblust.com
Emergency telephone number	: +81-299-56-2040
Recommended use	: Industrial use, cleaner ingredient

Section 2: Hazards identification

GHS classification	: Not classified for physical or health hazards under GHS.
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Section 3: Composition / information on ingredients

Chemical name	: Sodium Bicarbonate
Synonyms	: Sodium hydrogen carbonate, Carbonic acid hydrogen sodium salt, Meylon, Sodium hydrogencarbonate(EC), Carbonic acid sodium salt (1:1) (TSCA)
Weight %	: 99.0%以上
Formula (Molecular weight)	: CHNaO ₃ , NaHCO ₃ (84.01 g/mol)
Official Gazette Public Notice Reference Number (JP Concerning Chemical Substitution Law)	: (1)-164
CAS-No.	: 144-55-8
EC-No.	: 205-633-8

Section 4: First aid measures

Inhalation	: Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists. Get medical assistance as necessary.
Skin contact	: Wash off affected area with soap and water. Seek medical advice if discomfort or irritation persists. Get medical assistance as necessary. Wash affected clothes.
Eye contact	: Rinse or flush exposed eye gently with plenty of water. Remove contact lenses while rinsing. Seek medical advice if discomfort or irritation persists. Get medical assistance as necessary.
Ingestion	: Rinse mouth with water. Seek medical advice if discomfort or irritation persists. Get medical assistance as necessary.
Most important symptoms/ effects	: No information available.
Note to Physician	: Treat symptomatically.

Section 5: Firefighting measures

Suitable extinguishing media	: Substance is nonflammable. Use agent most appropriate to extinguish surrounding fire.
Unsuitable extinguishing media	: None in particular.
Suitable extinguishing media	: None in particular.
Precautions for firefighters	: If it is not dangerous, move substance (in a container) from the fire area. Other than those concerned, move to a safe place.
Protective equipment	: Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	: Ensure adequate ventilation. Other than those concerned, keep it away. Wear appropriate protective equipment.
Environmental precautions	: Prevent a large amount of material from entering into soil, ditches, sewers, waterways, and/or groundwater. Be careful not to cause environmental impact.
Methods and materials for containment and cleaning up	: Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean up with plenty of water. Avoid dust formation by using water.

Section 7: Handling and storage

Precautions for safe handling	: Wear personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid ingestion and inhalation. Avoid dust formation. Wash hands after handling.
Conditions for safe storage	: Avoid direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8: Exposure controls / personal protection

Control parameters	: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Appropriate engineering controls	: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Protection	
Respiratory protection	: Wear dust mask. Wear self-contained breathing apparatus in case of fire.
Hand protection	: Wear protective gloves.
Eye protection	: Wear appropriate protective eyeglasses such as goggle type glasses.
Skin and body protection	: Wear suitable protective clothing. Protective shoes or boots.

Section 9: Physical and chemical properties

Physical state	
Form	: Powder
Color	: White
Odor	: Odorless
p H	: pH=8.3 (10g/L aq. solution)
Melting /freezing point	: No information available
Boiling point/ range	: No information available
Flash point	: No information available
Evaporation rate	: No information available
Flammability (solid, gas)	: No information available
Flammability or explosive limits	: No information available
Vapor pressure	: No information available
Vapor density	: No information available
Specific gravity (relative density)	: No information available
Solubility	: Water : 9 g/100ml (20°C) : Barely soluble in ethanol
Partition coefficient; n-octanol/water	: No information available
Viscosity	: No information available

Section 10: Stability and reactivity

Reactivity	: Stable under normal processing and recommended storage conditions.
Chemical stability	: Stable under normal processing and recommended storage conditions.
Possibility of hazardous reactions	: The aqueous solution is weakly alkaline. Reacts with acids.
Conditions to avoid	: Avoid contact with acids.
Incompatible materials	: Strong oxidizing agents and acids.
Hazardous decomposition products	: Reacts with acids to release carbon dioxide gas.

Section 11: Toxicological information

Acute toxicity	
Oral	: Not classified based on a report of SIDS 2004. LD50 Oral - Rat > 4,000 mg/kg, 7,334 mg/kg, 4,220-8,290 mg/kg.
Skin	: Not classified based on a report of Japan Crop Protection Association 1996. LD50 Skin - Rat > 2,000 mg/kg.
Inhalation	: Not classified based on a report of SIDS 2004. LC50 - Rat > 4.74 mg/L (4.5h)
Skin corrosion/irritation	: Category 3 of the UN classification standard based on a report of SIDS 2004 in accordance with the test guideline. Rabbit - mild irritation (skin primary irritation score= 0.3).
Serious eye damage/ eye irritation	: Category 3 of the UN classification standard based on 5 cases of report of SIDS 2004 in accordance with the highly reliable EPA TSCA guideline. The score value (MMTS) after 24 hours is 8.3 (slight irritation).
Respiratory sensitization	: No data available, not classified.
Skin sensitization	: No data available, not classified.
Mutagenicity	: No data available, not classified.
Carcinogenicity	: No data available, not classified.
Reproductive toxicity	: No data available, not classified.
STOT (single exposure, repeated exposure)	: No data available, not classified.
Aspiration hazard	: No data available, not classified.

Section 12: Ecological information

Ecotoxicity	: Crustacea: EC50 (48h) D. magna: 1020mg/L (SIDS,2004) : Fish: LC50 (96h) rainbow trout: 7700mg/L (SIDS,2004)
Hazard to the ozone layer	: No information available

Section 13: Disposal considerations

Waste disposal methods	: Dispose in a safe manner in accordance with local/national regulations. Perform neutralization as much as possible to lower the hazard level before disposal. (Reference) Neutralization method: dissolve in water and neutralize with acid, and then dispose waste with plenty of water. Please note that carbon dioxide gas may be generated during neutralization.
Contaminated packaging	: Clean a container and recycle, or dispose in a safe manner in accordance with local/national regulations.

Section 14: Transport information

International regulations, UN numbers, domestic regulations	: Not applicable as no special regulations.
Special precautions for user	: Avoid direct sunlight. Ensure to prevent leakage and load collapse.

Section 15: Regulatory information

The Wassenaar Arrangement: Export Controls for Conventional Arms and Dual-Use Goods and Technologies	: Not listed HS code:2836.30-0000
Japan Poisonous and Deleterious Substances Control Law	: Not applicable
Japan Concerning Chemical Substitution Law	: Not applicable
Japan Pollutant Release and Transfer Register	: Not applicable
Japan Industrial Safety and Health Act	: Not applicable
Japan Fire Defense Law fire laws fire protection law Fire Service Act	: Not applicable
Japan Water Supply Act	: Hazardous substances, water quality standards

Section 16: Other information

ECHA in REACH registrations	: No hazards classified
US TSCA (The Toxic Substances Control Act)	: Not applicable (not regulated)
Reference	: International Chemical Safety Card (ICSC) : Chemical substance comprehensive information provision system (NITE - CHRIP) HP : GHS classification result database nite (National Institute of Technology and Evaluation Technology) HP : Chemical Book HP

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge, information and available data at the date of its publication and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.

End of Safety Data Sheet