Material Safety Data Sheet

SODIUM PER CARBONATE TABLET (RXSOL-60-6605-550)

1. Product and Company Identifaction

Product Name	SSODIUM PER CARBONATE TABLET
Part Number	RXSOL-60-6605-550

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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2. Composition / informationon ingredients

Chemical Name	CAS	EC number	Weight
SODIUM PER CARBONATE TABLET	497-19-8	207-838-8	90%

3. Hazards Identification

Signal Word	WARNING
Hazard statement(s)	H319: Causes serious eye irritation.
Precautionary statement(s)	P264: Wash hands and exposed skin thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention.
Supplemental information	None assigned
Other hazards	None known

4. First Aid Measures

Description of first aid measures	Self-protection of the first aider Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid contact with eyes. Contaminated clothing should be laundered before reuse. Avoid breathing vapours. Inhalation IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Skin contact IF ON SKIN: Gently wash with plenty of soap and water. If irritation develops and persists, get medical attention. Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Ingestion IF SWALLOWED: Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting. If you feel unwell, seek medical advice (show the label where possible).
Most important symptoms and effects, both acute and delayed	Causes serious eye irritation..

Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5. Fire-fighting Measures

Suitable extinguishing media	As appropriate for surrounding fire
Unsuitable extinguishing media	Do not use water jet. Direct water jet may spread the fire.
Special hazards arising from the substance or mixture	Not flammable
Advice for firefighters	Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers..

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing dust. Remove contaminated clothing and wash all affected areas with plenty of water. Avoid dust generation.
Environmental precautions	Avoid release to the environment.
Methods and material for containment and cleaning up	Damp down to avoid dust generation. Use vacuum cleaner to collect spilt material. Recover the product where possible. Ventilate the area and wash spill site after material pick-up is complete. Transfer to a container for disposal or recovery.
Reference to other sections	See Section: 8,13

7. Handling and Storage

Precautions for safe handling	Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Remove contaminated clothing and wash clothing before reuse.
Conditions for safe storage, including any	Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Control dust formation.
Storage temperature	Keep in a cool, well ventilated place.
Suitable materia	Storage class (TRGS 510): 5.1B: Oxidizing hazardous materials
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls and personal protection

Eye/face protection	Wear eye protection with side protection (EN166). Eyewash bottles should be available.
Skin protection	Hand protection: Wear impervious gloves (EN374). Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer. Protective index 6, corresponding > 480 minutes of permeation time according to EN 374. Recommended: Butyl rubber, Neoprene, Nitrile (Minimum thickness 0.5mm)
Body protection	Wear dust-resistant protective clothing
Respiratory protection	Not normally required. Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved. In case of inadequate ventilation wear respiratory protection. Recommended: EN143 Type A-P2.
Control parameters	The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m3 (8hr TWA) total inhalable dust; 4 mg/m3 (8hr TWA) total respirable dust.
Exposure controls	Ensure adequate ventilation. Special ventilation should be used to convey finely divided metallic dust generated by grinding, sawing or polishing operations, in order to eliminate explosion hazards.
Environmental exposure controls	Avoid release to the environment

Thermal hazards	Not applicable
Individual protection measures, such as personal protective equipment	Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke at the work place. Avoid breathing dust.
Biological limit value	Not established

PNECs and DNELs

Sodium carbonate Derived No Effect Level	Oral	Inhalation	Dermal
Worker - Long Term - Systemic effects	-	10 mg/m3	-
Consumer - Long Term - Systemic effects	-	10 mg/m3	-

9. Physical and chemical properties

Appearance	White powder
Odour	Odourless
Odour threshold	Not applicable
Melting point/freezing point	851°C
Initial boiling point and boiling range	Not applicable >300°C (Melting point)
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	Not flammable
Flash Point	Not applicable (inorganic substance)
Autoignition temperature	Not applicable
Decomposition temperature	Not flammable
pH	>11 (saturated solution, study result, OECD 105)
Viscosity	Not relevant (solid)
Solubility(ies)	In water: 212.5 g/l @ 20°C (study result OECD 105)
Partition coefficient: n-octanol/water	Not applicable
Vapour pressure	Not applicable (inorganic substance, vapour pressure negligible)
Vapour density	Not applicable
Relative density	2.52 @ 20°C (study result, EU Method A.3)
Particle characteristics	Not applicable
Explosive properties	Not explosive
Oxidizing properties	Not oxidising.
Other safety information	None known

10. Stability and reactivity

Reactivity	Decomposes by reaction with strong acids.
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None anticipated
Conditions to avoid	Avoid contact with acids. Exposure to moisture.
Incompatible materials	Finely divided aluminium
Hazardous decomposition products	Contact with acid will evolve CO2.

11. Toxicological information

Acute Toxicity - Ingestio	Based upon the available data, the classification criteria are not met.
Acute Toxicity - Inhalation	Based upon the available data, the classification criteria are not met.
Acute Toxicity - Skin contact	Based upon the available data, the classification criteria are not met.
Skin corrosion/irritation	Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Eye Irrit. 2; H319: Causes serious eye irritation. EU Harmonised Classification Irritating to eyes. (rabbit) (Rinehart, WE, 1978)
Respiratory or skin sensitisation	Based upon the available data, the classification criteria are not met
Germ cell mutagenicity	Based upon the available data, the classification criteria are not met
Carcinogenicity	Based upon the available data, the classification criteria are not met
Reproductive toxicity	Based upon the available data, the classification criteria are not met
STOT - single exposure	Based upon the available data, the classification criteria are not met
STOT - repeated exposure	Based upon the available data, the classification criteria are not met
Aspiration hazard	Based upon the available data, the classification criteria are not met
Assessment	None known.

12. Ecological information

Toxicity	Based upon the available data, the classification criteria are not met. Estimated LC50 (Substance): >100 mg/l.
Persistence and degradability	Not applicable for inorganic substances.
Bioaccumulative potential	Not applicable for inorganic substances.
Mobility in soil	Not applicable for inorganic substances.
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Assessment	According to Annex XIII of the REACH Regulation 1907/2006/EC inorganic substances do not need to be subjected to a PBT assessment.
Other adverse effects	None known.

13. Disposal considerations

Waste treatment methods	Dispose of contents in accordance with local, state or national legislation. Do not allow to enter drains, sewers or watercourses. Recycle packaging
Additional information	Avoid release to the environment. Dispose of empty containers and wastes safely.

14. Transport information

UN number	ADR/RID: - IMDG: - IATA: -
UN proper shipping name	None assigned. None assigned. None assigned
Transport hazard class(es)	None assigned. None assigned. None assigned

	None assigned.
Packaging group	None assigned.
	None assigned
	Not classified
Environmental hazards	Not classified as a Marine Pollutant.
	Not classified
Special precautions for user	See Section: 2
	No information available.
Transport in bulk according to Annex II of Marpol and the IBC Code	No information available.
	No information available.

15. Regulatory information

Safety, health and environmental	Regulations/legislation specific for the substance or mixture
National legislation	Germany Water hazard class (WGK): 1 TSCA Inventory Listed
Other regulations	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.Take note of Dir 94/33/EC on the protection of young people at work.
Chemical Safety Assessment	A REACH chemical safety assessment has been carried out.

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages. DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.