Material Safety Data Sheet

SODIUM CHROMATE TETRAHYDRATE LR (RXSOL-60-6605-490)

1. Product and Company Identifaction

Product Name	SODIUM CHROMATE TETRAHYDRATE LR
Part Number	RXSOL-60-6605-490

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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Email	mail@rxmarine.com
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2. Composition / informationon ingredients

Chemical Name	CAS	EC number	Weight
SODIUM CHROMATE TETRAHYDRATE LR	10034-82-9	600-068-7	234.03.

3. Hazards Identification

Signal Word	Danger
Hazard Statements	H301 Toxic if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H330 Fatal if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H340 May cause genetic defects. H350 May cause cancer. H360FD May damage fertility. May damage the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects.
P280 Wear protective gloves.P305 + P351 + P338	NA
Precautionary statements - response	P260 Do not breathe dust. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statement(s)	P260 Do not breathe dust. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Response	None
Disposal	NA
Prevention	NA
Supplemental Hazard Statements	None
Other hazards	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

4. First Aid Measures

Description of first-aid measures	No data available
IMost important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

Suitable extinguishing media	No data available
Special hazards arising from the substance or mixture	Sodium oxides Chromium oxides Not combustible
Further information	No data available
Advice for firefighters	No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	For personal protection see section 8.
Enviromental Precaution	No data available
Methods and materials for containment and cleaning	No data available
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Precautions for safe handling	For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities	hygroscopic
Storage class	Storage class (TRGS 510): 6.1A: Combustible, acute toxic Cat. 1 and 2 / very toxic
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

Control parameters	Ingredients with workplace control parameters

Control of environmental exposure	Do not let product enter drains. Risk of explosion.

9. Physical and chemical properties

Physical state	solid
Colour	No data available
Odour	No data available
Odor Threshold	Not Applicable
pH	Not Applicable
Melting Point	No data available
Boiling Point	No data available
Flash Point	No data available
Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Evaporation Rate	Not Applicable
Flammability (solid, gas)	No data available
Explosive limits	No Data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Vapour pressure	No Data Available
Partition coefficient: n-octanol/water	Not applicable for inorganic substances
Density	No data available
Vapour Density	No Data Available
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	None
Solubility	No data available
Ignition temperature	No data available
Particle characteristics	No data available
Other safety information	No data available

10. Stability and reactivity

Reactivity	No data available
Stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	Avoid moisture
Incompatible materials	Strong reducing agents, Organic materials, Powdered metals
Hazardous Polymerization	In the event of fire: see section 5

11. Toxicological information

Acute toxicity	LD50 Oral - Rat - 52 mg/kg Remarks: (IUCLID) (anhydrous substance) Acute toxicity estimate Inhalation - 4 h - 0,0501 mg/l - dust/mist (Expert judgment) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) (anhydrous substance) LD50 Dermal - Rabbit - 1.600 mg/kg Remarks: (IUCLID) (anhydrous substance)
Skin corrosion/irritation	Remarks: Causes skin burns. Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) (anhydrous substance)

Serious eye damage/eye irritation	Remarks: Causes serious eye damage. Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) (anhydrous substance)
Respiratory or skin sensitization	May cause allergic respiratory and skin reactions Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) (anhydrous substance)
Carcinogenicity	Presumed to have carcinogenic potential for humans
Germ cell mutagenicity	May cause genetic defects.
Reproductive toxicity	May damage the unborn child. May damage fertility.
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure. Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
Aspiration hazard	No data available
Additional Information	Endocrine disrupting properties
Assessment	Assessment : The substance/mixture does not contain components considered to have endocrinedisrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Repeated dose toxicity - Rat - male and female - Oral - 90 Days - NOAEL (No observed adverse effect level) - 62,5 mg/kg Remarks: (ECHA) (anhydrous substance) RTECS: GB2958300 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Endocrine disrupting properties	Product: Assessment : The substance/mixture does not contain components considered to have endocrinedisrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Repeated dose toxicity - Rat - male and female - Oral - 90 Days - NOAEL (No observed adverse effect level) - 62,5 mg/kg Remarks: (ECHA) (anhydrous substance) RTECS: GB2958300 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances
Toxicity	Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 33,2 mg/l - 96,0 h Remarks: (ECHA) Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 0,021 mg/l - 48 h Remarks: (ECOTOX Database)
Bioaccumulative potential	No data available
Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 33,2 mg/l - 96,0 h Remarks: (ECHA)
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 0,021 mg/l - 48 h Remarks: (ECOTOX Database)
Mobility in soil	No Information available
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.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	No data available

13. Disposal considerations

Waste treatment **Method** No data available

14. Transport information

UN number	ADR/RID: 3290 IMDG: 3290 IATA: 3290
UN proper shipping name	ADR/RID: TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S. (Sodium chromatetetrahydrate) IMDG: TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S. (Sodium chromatetetrahydrate) IATA: Toxic solid, corrosive, inorganic, n.o.s. (Sodium chromate tetrahydrate)
Transport hazard class(es)	ADR/RID: 6.1 (8) IMDG: 6.1 (8) IATA: 6.1 (8)
Packaging group	ADR/RID: II IMDG: II IATA: II
Environmental hazards	ADR/RID: yes IMDG Marine pollutant: yes IATA: no
Special precautions for user	Tunnel restriction code : (D/E) Further information : No data available

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations specific for the product in question	NA
Authorisation and/or restrictions on use	REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Sodium chromate tetrahydrate This product contains a substance listed on Annex XIV of the REACH Regulation (EC) Nr. 1907/2006. Listed substance / Sunset Date : Sodium chromate tetrahydrate / 21.09.2017 After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate. REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Sodium chromate tetrahydrate
National legislation	Seveso III: Directive 2012/18/EU of the European : ENVIRONMENTAL HAZARDS Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : ACUTE TOXIC
Chemical Safety Assessment	For this product a chemical safety assessment was not 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.