Material Safety Data Sheet

SODA LIME WITH INDICATOR AR (RXSOL-60-6605-450)

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-454
Product Type	SODIUM (META) PERIODATE AR
Revised date	

Company Details:

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

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

Phone	+91 22 27815541 / 42
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Email	mail@rxmarine.com

2. Composition / informationon ingredients

2.1. SubstanceName : SODIUM (META) PERIODATE AR
CAS No : 7790-28-5
Substance.
Contains no other components or impurities which will influence the classification of the product.

3. Hazards Identification

3.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Oxidising Solids, Category 1
H271
Skin corrosion/irritation, Category 1A
H314
Specific target organ
toxicity — Repeated
exposure, Category 1
H372
Hazardous to the aquatic environment — Acute
Hazard, Category 1
H400
Classification according to Directive 67/548/EEC or 1999/45/EC
O; R8
Xn; R22
Xi; R36/37/38
Full text of R-phrases: see section 16
Adverse physicochemical, human health and environmental effects
No additional information available
3.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to

displayExtra classification(s) to display
Symbol(s) : O : Oxidizing
C: Corrosive
N : Dangerous for the environment
R Phrase(s) : R8: Contact with combustible material may cause fire.
S Phrase(s) : S17: Keep away from combustible material.
S26 : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
S36 : Wear suitable protective clothing.
Hazard pictograms

Signal word (CLP) : Danger
Hazard statements (CLP) : H271 - May cause fire or explosion; strong oxidiser
H314 - Causes severe skin burns and eye damage
H372 - Causes damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
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/shower
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
P371+P380+P375 - In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion
3.3. Other hazards
No additional information available

4. First Aid Measures

4.1. Description of first aid measures
First-aid measures after inhalation : Assure fresh air breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.
First-aid measures after skin contact : Get immediate medical advice/attention. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact : Rinse immediately with plenty of water. Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.
4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

5. Fire-fighting Measures

5.1. Extinguishing media
Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.
Unsuitable extinguishing media : Do not use a heavy water stream.
5.2. Special hazards arising from the substance or mixture
No additional information available
5.3. Advice for firefighters
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures : Avoid contact with skin and eyes.
6.1.2. For emergency responders
Protective equipment : Use personal protective equipment as required.
6.2. Environmental precautions
Avoid release to the environment.
6.3. Methods and material for containment and cleaning up
Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers.
6.4. Reference to other sections
No additional information available

7. Handling and Storage

7.1. Precautions for safe handling
Precautions for safe handling : Avoid contact with skin and eyes. Avoid dust formation. Do not breathe vapours. Hygiene measures : Do not eat, drink or smoke when using this product. Wash ... thoroughly after handling.
7.2. Conditions for safe storage, including any incompatibilities
Storage conditions : Store in a well-ventilated place. Keep container tightly closed.
7.3. Specific end use(s)
No additional information available

8. Exposure controls and personal protection

8.1. Control parameters
No additional information available
8.2. Exposure controls
Hand protection : Protective gloves
Eye protection : Chemical goggles or face shield
Skin and body protection : Wear suitable protective clothing
Respiratory protection : Wear respiratory protection

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state : Solid
Odour threshold : No data available
pH : 3.5 - 5.5
Relative evaporation rate (butylacetate=1) : No data available
Melting point : 300 °C
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 3.8 g/cm³
Solubility : Water: 107 g/l at 20 °C - completely soluble

Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : The substance or mixture is classified as oxidizing with the subcategory 2.
Explosive limits : No data available
9.2. Other information
No additional information available.

10. Stability and reactivity

10.1. Reactivity
No additional information available
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No additional information available
10.4. Conditions to avoid
No additional information available
10.5. Incompatible materials
Oxidizing agent.
10.6. Hazardous decomposition products
No additional information available

11. Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified
Skin corrosion/irritation : Causes severe skin burns and eye damage
pH: 3.5 - 5.5
Serious eye damage/irritation : Serious eye damage, category 1, implicit
pH: 3.5 - 5.5
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard : Not classified
Potential adverse human health effects and symptoms : Harmful if swallowed.

12. Ecological information

12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Results of PBT and vPvB assessment
No additional information available
12.6. Other adverse effects

No additional information available

13. Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations : Dispose of contents/container to ..
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14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN
14.1. UN number
UN-No. (ADR) : 3085
UN-No. (IMDG) : 3085
UN-No.(IATA) : 3085
UN-No.(ADN) : Not regulated
UN-No. (RID) : Not regulated
14.2. UN proper shipping name
Proper Shipping Name (ADR) : OXIDIZING SOLID, CORROSIVE, N.O.S.
Proper Shipping Name (IMDG) : OXIDIZING SOLID, CORROSIVE, N.O.S.
Proper Shipping Name (IATA) : OXIDIZING SOLID, CORROSIVE, N.O.S.
Proper Shipping Name (ADN) : Not regulated Proper Shipping Name (RID) : Not regulated Transport document description (ADR) : UN 3085 OXIDIZING SOLID, CORROSIVE, N.O.S., 5.1 (8), I, (E), ENVIRONMENTALLY HAZARDOUS Transport document description (IMDG) : UN 3085 OXIDIZING SOLID, CORROSIVE, N.O.S., 5.1 (8), I, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS Transport document description (IATA) : UN 3085 OXIDIZING SOLID, CORROSIVE, N.O.S., 5.1 (8), I, ENVIRONMENTALLY HAZARDOUS 14.3. Transport hazard class(es) Transport hazard class(es) (ADR) : 5.1 (8) Danger labels (ADR) : 5.1, 8 IMDG :Transport hazard class(es) (IMDG) : 5.1 (8) Danger labels (IMDG) : 5.1, 8 IATA : Transport hazard class(es) (IATA) : 5.1 (8) Hazard labels (IATA) : 5.1, 8 AND : Transport hazard class(es) (ADN) : Not regulated RID : Transport hazard class(es) (RID) : Not regulated 14.4. Packing group Packing group (ADR) : I Packing group (IMDG) : I Packing group (IATA) : I Packing group (ADN) : Not regulated Packing group (RID) : Not regulated 14.5. Environmental hazards Dangerous for the environment : Yes Marine pollutant : Yes Other information : No supplementary information available 14.6. Special precautions for user - Overland transport Classification code (ADR) : OC2 Special provision (ADR) : 274 Limited quantities (ADR) : 0 Excepted quantities (ADR) : E0 Packing instructions (ADR) : P503 Mixed packing provisions (ADR) : MP2 Transport category (ADR) : 1
Special provisions for carriage - Loading, unloading and handling (ADR) : CV24 Special provisions for carriage - Operation (ADR) : S20 Tunnel restriction code (ADR) : E EAC code : 1W - Transport by sea Special provision (IMDG) : 274 Limited quantities (IMDG) : 0 Excepted quantities (IMDG) : E0 Packing instructions (IMDG) : P503 EmS-No. (Fire) : F-A EmS-No. (Spillage) : S-Q Stowage category (IMDG) : D Stowage and handling (IMDG) : H1 Segregation (IMDG) : SG38, SG49, SG60 MFAG-No : 141 - Air transport PCA Excepted quantities (IATA) : E0 PCA Limited quantities (IATA) : Forbidden PCA limited quantity max net quantity (IATA) : Forbidden PCA packing instructions (IATA) : 557 PCA max net quantity (IATA) : 1kg CAO packing instructions (IATA) : 561 CAO max net quantity (IATA) : 15kg Special provision (IATA) : A3 ERG code (IATA) : 5C - Inland waterway transport Not regulated - Rail transport Not regulated 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for
the substance or mixture
Safety, health and environmental : Ensure all national/local regulations are observed
. regulations/legislation specific for the substance or mixture
REACH Restrictions - Annex XVII : The components of this product are not subject to
restrictions.
REACH Authorisation - Annex XIV : The components of this product are not subject
to authorization.
15.2. Chemical Safety Assessment
Chemical Safety Assessment : It has not been carried out.

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative
Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN
PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification,
labelling and packaging of substances and mixtures, amending and repealing Directives
67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Further information : None.
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