

## 1. Product and Company Identification

www.rxmarine.com

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.  
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## 2. Composition / Information on ingredients

www.rxmarine.com

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

www.rxmarine.com

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

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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 display  
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

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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

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### 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

[www.rxmarine.com](http://www.rxmarine.com)

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.

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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

[www.rxmarine.com](http://www.rxmarine.com)

### 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

[www.rxmarine.com](http://www.rxmarine.com)

### 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.

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### 7.3. Specific end use(s)

No additional information available

## 8. Exposure controls and personal protection

[www.rxmarine.com](http://www.rxmarine.com)

### 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

[www.rxmarine.com](http://www.rxmarine.com)

### 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

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Relative density : No data available

Density : 3.8 g/cm<sup>3</sup>

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

[www.rxmarine.com](http://www.rxmarine.com)

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

[www.rxmarine.com](http://www.rxmarine.com)

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### 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

[www.rxmarine.com](http://www.rxmarine.com)

### 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

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### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container to ..

## 14. Transport information

[www.rxmarine.com](http://www.rxmarine.com)

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)

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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

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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

[www.rxmarine.com](http://www.rxmarine.com)

15.1. Safety, health and environmental regulations/legislation specific for the

substance or mixture

15.1.1. EU-Regulations

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No REACH Annex XVII restrictions

#### 15.1.2. National regulations

Germany

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

#### 15.2. Chemical safety assessment

No additional information available

## 16. Other information

[www.rxmarine.com](http://www.rxmarine.com)

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.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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