

1. Product and Company Identification

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Product Name RXSOL-60-6605-007
Product Type MOLYSOL MgSO_4 FOR HPLC
Revised date

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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2.1 Substances Contains no other components

or impurities which will influence the classification of the product.

3. Hazards Identification

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3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flammable liquids (Category 2), H225

Eye irritation (Category 2), H319 For the full text of the H-Statements mentioned in this Section, see Section 16.

3.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram : Signal word Danger Hazard statement(s)

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation. Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear 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.

P403 + P235 Store in a well-ventilated place. Keep cool. Supplemental Hazard Statements : none

3.3 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

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4.1 Description of first aid measures

General advice Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air.

If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Wash off with soap and plenty of water.

Consult a physician. In case of eye contact Rinse thoroughly with plenty of water for at least

15 minutes and consult a physician. If swallowed Do NOT induce

vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting Measures

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5.1 Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters Wear self-

contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

6. Accidental Release Measures

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6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas.

Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see.

6.2 Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum

cleaner or by wet-brushing and place in container for disposal according to local regulations.

6.4 Reference to other sections

For disposal.

7. Handling and Storage

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7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept

upright to prevent leakage. Hygroscopic. Flammable liquids

7.3 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

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8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls Handle in

accordance with good industrial hygiene and safety practice. Wash

hands before breaks and at the end of workday.

Personal protective equipment Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and

approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove

removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices

. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive

89/686/EEC and the standard EN 374 derived from it. Full contact Material: butyl-rubber Minimum layer thickness:

0.3 mm Break through time: 480 min Splash contact Material: Nitrile rubber Minimum layer thickness: 0.2

mm Break through time: 38 min If used in solution, or mixed with other substances, and under conditions which differ from

EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by

an industrial situation of anticipated use by our customers. It should not be construed as offering an approval for any specific

use scenario. Body Protection Impervious clothing, Flame retardant antistatic protective clothing., The type of protective

equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387)

respirator cartridges as a backup to engineering protection, use a full-face supplied air respirator. Use respirators and components

tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Control of environmental

exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and chemical properties

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9.1 Information on basic physical and chemical properties

Appearance Form: liquid, clear

Odour Threshold: No data available

pH : No data available

Melting point/range: -114 °C

Initial boiling point and boiling range : 78 °C

Flash point 14.0 °C - closed cup

Evaporation rate: No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or Upper

explosion limit: 19 %(V) Lower explosion limit: 3.3 %(V)

explosive limits Vapour pressure: 44.6 mmHg at 20.0 °C

Vapour density : No data available

Relative density: 0.789 g/mL at 25 °C

Water solubility: completely soluble

Partition coefficient: n- octanol/water log Pow: -0.349 at 24 °C

Auto-ignition temperature :363.0 °C

Decomposition temperature : No data available

Viscosity: No data available

Explosive properties : No data available

Oxidizing properties : No data available

9.2 Other safety information

No data available

10. Stability and reactivity

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10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Alkali metals, Oxidizing agents, Peroxides

10.6 Hazardous decomposition products

Other decomposition products - No data available

Hazardous decomposition products formed under fire conditions.

- Carbon oxides In the event of fire: see section 5

11. Toxicological information

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11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 10,470 mg/kg LC50

Inhalation - Rat - 4 h - 30,000 mg/l LD50 Dermal - Rabbit - 15,800 mg/kg

Skin corrosion/irritation Skin - Rabbit Result: No

skin irritation - 24 h (OECD Test Guideline 404) Serious eye damage/eye irritation

Eyes - Rabbit Result: Moderate eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitisation No data available

Germ cell mutagenicity

No data available

Carcinogenicity IARC: No component of this product present at levels greater

than or equal to 0.1% is identified as probable, possible or confirmed human

carcinogen by IARC. Reproductive toxicity Specific target organ toxicity -

single exposure No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard No data available

Additional Information Central nervous system

depression, narcosis, Damage to the heart., To the best of our knowledge,

the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

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12.1 Toxicity

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) -
14,200 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates
LC50 - Ceriodaphnia dubia (water flea)
- 5,012 mg/l - 48 h NOEC - Daphnia magna (Water flea) - 9.6 mg/l - 9 d
Toxicity to algae EC50 - Chlorella vulgaris (Fresh water algae) - 275 mg/l - 72 h (OECD Test Guideline 201)

12.2 Persistence and degradability

Biodegradability Result: 95 % - Readily biodegradable.

12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

12.4 Mobility in soil No data available

12.5 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.

12.6 Other adverse effects

No data available

13. Disposal considerations

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13.1 Waste treatment methods

Burn in a chemical incinerator equipped with an afterburner and scrubber
b highly flammable. Offer surplus and non-recyclable solutions to a licensed
disposal company. Contaminated packaging Dispose of as unused product.

14. Transport information

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14.1 UN number

ADR/RID: 1170

IMDG: 1170

IATA: 1170

14.2 UN proper shipping name

ADR/RID: Molysol 2E2 IMDG: Molysol 2E2 IATA: Molysol 2E2

14.3 Transport hazard class(es)

ADR/RID: 3 IMDG: 3 IATA: 3

14.4 Packaging group

ADR/RID: II

IMDG: II I

ATA: II

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no

IATA: no 14.6 Special precautions for user No data available

15. Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

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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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