Material Safety Data Sheet

MOLYSOL E FOR HPLC (RXSOL-60-6605-007)

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-007
Product Type	MOLYSOL 'E' FOR HPLC
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

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2. Composition / informationon ingredients

2.1 Substances 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
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

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

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

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

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

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 industria 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 enginee 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

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

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

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

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

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

14.1 UN number
ADR/RID: 1170
IMDG: 1170
IATA: 1170
14.2 UN proper shipping name
ADR/RID: Molysol ‘E’ IMDG: Molysol ‘E’ IATA: Molysol ‘E’
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

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

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
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