Material Safety Data Sheet

ZENKERS FIXING (RXSOL-60-6605-833)

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-833
Product Type	ZENKER'S FIXING
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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2. Composition / informationon ingredients

Substance / Preparation: Preparation.Hazardous
component(s): This product is hazardous.

3. Hazards Identification

3.1. Classification of the substance or mixture
Classification EC 67/548 or EC 1999/45
Classification: Carc. Cat. 2; R45
Muta. Cat. 2; R46Repr. Cat. 2; R60-61
T; R25Xn; 48/21/22Xi; R36/38N; R51-53
Hazard Class and Category Code(s), Regulation (EC) No 1272/2008
(CLP)Health hazards: Carcinogenicity-Category
1B-Danger (CLP : Carc. 1B) H350
Reproductive toxicity-Fertility-Category
1B-Danger (CLP : Repr. 1B) H360
Reproductive toxicity-Unborn Child-Category
1B-Danger (CLP : Repr. 1B)H360
Specific Target Organ
Toxicity-Repeated exposure-Category 2-Warning
(CLP :STOT RE 2) H373
Eye irritation-Category 2A-Warning (CLP : Eye Irrit. 2) H319
Germ cell mutagenicity-Category
1B-Danger (CLP : Muta. 1B) H340
Acute toxicity, Oral-Category 2-Danger
(CLP : Acute Tox. 2) H300
Skin irritation-Category 2-Warning (CLP : Skin Corr. 2) H315
Environmental hazards: Hazardous to the aquatic
environment-Chronic hazard-Category 2 (CLP :Aquatic Chronic 2) H411
3.2. Label elements
Labelling EC 67/548 or EC 1999/45
Symbol(s) : T : Toxic
N : Dangerous for the environ
R Phrase(s) ment : R25 : Toxic if swallowed.
R36/38 : Irritating to eyes and skin.
R45 : May cause cancer.
R46 : May cause heritable genetic damage.
R48/21/22 : Harmful : danger of serious damage
to health by prolonged exposure in contact with skin and if swallowed.
R51/53 : Toxic to aquatic organisms, may cause long aquatic environment.
R60 : May impair fertility. R61 : May cause harm to the unborn child.
S Phrase(s) : S4 : Keep away from living quarters.

S24 : Avoid contact witterm adverse effects in the h skin.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 : After contact with skin, wash immediately with
S35 : This material and its container must be disposed of in a safe way.
S36/37/39 : Wear suita ble protective clothing, gloves and eye/face protection.
S38 : In case of insufficient ventilation, wear suitable respiratory equipment.
S45 : In case of accident or if you feel unwell,
seek medical advice immediately (show the label when possible).
S53 : Avoid exposureobtain special instructions before use.
S57 : Use appropriate container to avoid environmental contamination.
S59 : Refer to manufacturer/supplier for information on recovery/recycling.
S60 : This material and its container must be dispos ed of as hazardous waste.
S61 : Avoid release to the environment.
Refer to special instructions/Safety data sheets.
Labelling Regulation EC 1272/2008 (CLP)
Hazard pictograms

Signal words : Danger
Hazard statements H350 : M : H300 : Fatal if swallowed. ay cause cancer.
H340 : May cause genetic defects.H360F : May damage fertility.
H319 : Causes serious eye irritation.
H315 : Causes skin irritation.
H373 : May cause damage to organs through prolonged or repeated exposure.
H411 : Toxic to aquatic life with long lasting effects.
H360D: May damage the unborn child.Precautionary statements
• General: P201: Obtain special instructions before use.
• Prevention: P280: Wear protective gloves, protective clothing, eye protection, faceprotection.
P260: Do not breathe dust, fume, gas, mist, vapours, spray.
P273: Avoid release to the environment.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
• Response: P301+P310: IF SWALLOWED : Immediately call a POISON CENTER ordoctor.
P302+P352: IF ON SKIN : Wash with plenty of soap and water.
P308+P313: If exposed or concerned : get medical advice.
P332+P313: If skin irritation occurs : Get medical advice.
P391: Collect spillage.
P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P363: Wash contaminated clothing before reuse.
P314: Get medical advice if you feel unwell.
• Storage: P405: Store locked up.
• Disposal considerations: P501: Dispose of this material and its container to hazardousor
special wastecollection point, in accordance with local, regional, national and/orinternationalregulation.
Special labelling: Restricted to professional users.
(Substances which appear in Part 3 ofAnnex VI toRegulation (EC) No 1272/2008)
3.3. Other hazards
Other hazards: The substance does not fulfil the criteria to be identified as PBT
substance or vPvBsubstance according to Annex XIII of Regulation
REACH.Other hazards:
• Potassium dichromate : 294.2

4. First Aid Measures

4.1. Description of first aid measures
Inhalation: Assure fresh air breathing.
Allow the victim to rest.Skin contact: Wash contaminated clothing before reuse.
Wash with plenty of soap andwater. Ifskin irritation occurs : Get medical advice.
Specific treatment (see on this label).
Eye contact: If eye irritation persists : Get medical advice.
Remove contact lenses, ifpresent andeasy to do. Continue rinsing.
Rinse cautiously with water for several minutes.Ingestion: Rinse mouth. Do NOT induce vomiting.
Specific treatment (see on this label).Immediately call a POISON CENTER or doctor.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms relating to use: May cause cancer. May cause genetic defects.
Causesdamage to organ.
Fatal if swallowed. May damage fertility.Causes serious eye irritation.Causes skin irritation. May damage the unborn child.
4.3. Indication of any immediate medical attention and special treatment needed
General information: P308+P313: If exposed or concerned : get medical advice.
Nevergive anything bymouth to an unconscious person.
If exposed or concerned : get medical advice.

5. Fire-fighting Measures

5.1. Extinguishing media
Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media: Do not use a heavy water stream.
Surrounding fires:Use water spray or fog for cooling exposed containers.
5.2. Special hazards arising from the substance or mixture
Hazardous combustion products: Under fire conditions, hazardous fumes will bepresent.
5.3. Advice for fire-fighters
Protection against fire: Do not enter fire area without proper protective equipment,
including respiratoryprotection.Special procedures: Exercise caution when fighting
any chemical fire. Avoid (reject)fire-fighting water toenter environment.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
For emergency responders: Equip cleanup crew with proper protection.Ventilate area.
For non-emergency personnel: Evacuate unnecessary personnel.
6.2. Environmental precautions
Environmental precautions: Prevent entry to sewers and public waters.
Notifyauthorities if product enterssewers or public waters.
6.3. Methods and material for containment and cleaning up
Clean up methods: On land, sweep or shovel into suitable containers
. Minimizegeneration of dust.Store away from other materials.
6.4. Reference to other sections
See section 8. Exposure controls/personal protection

7. Handling and Storage

7.1. Precautions for safe handling
Handling: Wash thoroughly after handling.
Do not eat, drink or smoke when using thisproduct.
Use only outdoors or in a well-ventilated area.Wash thoroughly afterhandling.
Technical protective measures: Provide good ventilation in process area to preventformation of vapour.
Special precautions: Avoid breathing dust, fume, gas, mist, vapours, spray.
7.2. Conditions for safe storage, including any incompatibilities
Storage: Keep only in the original container in a cool, well ventilated place.
Keepcontainertightly closed.
Storage-away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.
7.3. Specific end use(s)
Specific end use(s): None.

8. Exposure controls and personal protection

8.1. Exposure controls
Personal protection: Avoid all unnecessary exposure.
• Respiratory protection: Wear approved mask.
• Hand protection: Wear protective gloves.
• Skin protection: Wear suitable protective clothing.
• Eye protection: Chemical goggles or safety glasses.
• Others: When using, do not eat, drink or smoke.
8.2. Control parameters
Occupational Exposure Limits: No data available.
Occupational Exposure Limits: Potassium dichromate : MAC[mg/m³] : 0.03
Potassium dichromate : HTP-värden-8 H-[mg/m³] : 5

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state at 20 °C: Liquid.
Odour threshold: No data available.
pH value: No data available.
Melting point [°C]: No data available.
Decomposition point [°C]: N/A
Critical temperature [°C]: No data available.
Auto-ignition temperature [°C]: No data available.
Flammability (solid, gas): N/A
Flash point [°C]: No data available.
Boiling point [°C]: N/A

Initial boiling point [°C]: No data available.
Final boiling point [°C]: No data available.
Evaporation rate: N/A
Vapour pressure [20°C]: No data available.
Vapour pressure mm/Hg: N/A
Vapour density: N/A
Density [g/cm3]: 1,056
Relative density, gas (air=1): N/A
Relative density, liquid (water=1): N/A
Solubility in water [% weight]: N/A
Solubility in water: No data available
.Log Pow octanol / water at 20°C: No data available.
Solubility: N/A
Viscosity at 40°C [mm2/s]: No data available.
9.2. Other information
Explosive properties: N/A
Explosion limits-upper [%]: No data available.
Explosion limits-lower [%]: No data available.
Oxidising properties: No data available.

10. Stability and reactivity

10.1. Reactivity
Reactivity: Not established.
10.2. Chemical stability
Chemical stability: Stable under recommended storage conditions.
10.3. Possibility of hazardous
reactionsHazardous reactions: Not established.
10.4. Conditions to avoid
Conditions to avoid: Direct sunlight. Extremely high or low temperatures.
10.5. Incompatible materials
Materials to avoid: Strong acids. Strong bases.
10.6. Hazardous decomposition
productsHazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information

11.1. Information on toxicological effectsToxicity
information: The product has been not fully tested.
The calculated risk hasbeen done under therequirements of the EU regulations.Acute toxicity
• Inhalation: Based on available data, the classification criteria are not met.
• Dermal: Based on available data, the classification criteria are not met.
• Ingestion: Fatal if swallowed.
Corrosion: Based on available data, the classification criteria are not met.
Irritation: Causes serious eye irritation.
Causes skin irritation.Sensitization: Based on available data, the classification criteria are not met.
Mutagenicity: May cause genetic defects.Carcinogenicity: May cause cancer.
Toxic for reproduction: May damage fertility.May damage theunborn child.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: May cause damage to organs through prolonged or repeatedexposure
.Aspiration hazard: Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity
Toxicity information: Toxic to aquatic life with long lasting effects.
12.2. Persistence-degradability
Persistence-degradability: May cause long-term adverse effects in the environment.
12.3. Bioaccumulative potential
Bioaccumulative potential: Not established.
12.4. Mobility in soil
Mobility in soil: Not established.
12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment: The substance does not fulfil
the criteria to beidentified as PBT substance or vPvBsubstance according
to Annex XIII of RegulationREACH.Results of PBT and vPvB assessment:
• Potassium dichromate : 294.2
12.6. Other adverse effects
Environmental precautions: Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods
General: Avoid release to the environment.
Dispose in a safe manner in accordance withlocal/national regulations.
Dispose of this material and its container to hazardous orspecial waste collectionpoint, in accordance with local, regional, national and/orinternational regulation.Special precautions: Hazardous waste due to toxicity.

14. Transport information

14.1. Land transport (ADR-RID)
Proper shipping name: TOXIC LIQUID, INORGANIC, N.O.S.
UN N°: 3287
H.I. nr: 60
ADR-Class: 6.1
Labelling-Transport: 6.1 : Toxic substances.
9 : Miscellaneous dangerous substancesand articles.LÉ ¿
ADR-Classification code: T4
ADR-Group: II
ADR-Packing instructions: P001
ADR-Limited Quantity: 100
MLADR-Tunnel code: D/E : Bulk or tank
carriage: Passage forbidden through tunnels ofcategory D andE.
Other carriage: Passage forbidden through tunnels of category E.
14.2. Sea transport (IMDG) [English only]
Proper shipping name: TOXIC LIQUID, INORGANIC, N.O.S.
UN N°: 3287
IMO-IMDG-Class or division: 6.1 : Toxic substances.
(9 : Miscellaneous dangeroussubstances and articles.)
IMO-IMDG-Packing group: II
IMO-IMDG-Packing instructions: P001
IMO-IMDG-Limited quantities: 100
mlIMO-IMDG-Marine pollution: YesEMS-Nr: F-A S-A
14.3. Air transport (ICAO-IATA) [English only]
Proper shipping name: TOXIC LIQUID, INORGANIC, N.O.S.
UN N°: 3287
IATA-Class or division: 6.1 : Toxic substances.
(9 : Miscellaneous dangeroussubstances and articles.)
IATA-Packing group: II
IATA-Passenger and Cargo Aircraft: ALLOWED-
Passenger and Cargo-Packing: 654
instruction-Passenger and Cargo-Maximum: 5 L
Quantity/Packing
IATA-Cargo only: ALLOWED-
Cargo only-Packing instruction: 662-
Cargo only-Maximum Quantity/: 60 L
PackingIATA-Limited Quantites: 1 L
ERG-Nr: 6L

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for thesubstance or mixture
Safety, health and environmental: Ensure all national/local regulations are observed.
regulations/legislation specific for thesubstance or mixture
REACH Restrictions-Annex XVII: With the exception of those listed below:The components of this product are not subject to restrictions.
• Potassium dichromate : Annex XVII
REACH Authorisation-Annex XIV: The components of this product are not subjectto 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. In accordance with REACH

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