

1. Product and Company Identification

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Product Name RXSOL-60-6605-757
Product Type TRICHLOROACETIC ACID ACS GRADE
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 / Information on ingredients

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2.1. Substances: TRICHLOROACETIC ACID AR

CAS-No. : 76-03-9

Substance.

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 [CLP] Skin corrosion/irritation,

H314 Category 1A Hazardous to the aquatic

H410 environment ☒ Chronic Hazard, Category 1 Full text of H statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

C; R35 N; R50/53 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): C: Corrosive N : Dangerous for the environment

R Phrase(s): R35: Cause severe burns. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

S Phrase(s): S24/25 : Avoid contact with skin and eyes.

S26: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Hazard pictograms :

Signal word : Danger

Hazard statements : H314 - Causes severe skin burns and eye damage.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements : P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/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.

P310 - Immediately call a POISON CENTER/doctor P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

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 : Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER/doctor. First-aid measures after

skin contact : Take off immediately all contaminated clothing. Rinse skin with water/shower.

Immediately call a POISON CENTER/doctor.

First-aid measures after eye contact : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion : Rinse mouth.

Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Causes severe skin burns and eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting Measures

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5.1. Extinguishing media

Suitable extinguishing media : 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

No additional information available

6. Accidental Release Measures

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6.1. Personal precautions,

protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Emergency procedures : Stop release.

6.2. Environmental precautions

Very toxic to aquatic life with long lasting effects.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean contaminated surfaces with an excess of water.

6.4. Reference to other sections

No additional information available

7. Handling and Storage

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7.1. Precautions for safe handling

Precautions for safe handling : Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid contact during pregnancy/while nursing.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place.

Keep container tightly closed. Store in a dry place.

7.3. Specific end use(s)

No additional information available

8. Exposure controls and personal protection

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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

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9.1. Information on basic physical and chemical properties

Odour threshold : No data available

pH : 1

Relative evaporation rate

(butylacetate=1) : No data available

Melting point : 54 - 58 °C

Freezing point : No data available

Boiling point : 196 °C

Flash point : > 113 °C

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 : 5.64

Relative density : No data available

Density : 1.6 g/cm³

Solubility : Water: Soluble in water

Log Pow : 1.645

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2. Other information

No additional information available

10. Stability and reactivity

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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

Direct sunlight. Air contact. Moisture.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

11. Toxicological information

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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: 1 Serious

eye damage/irritation : Serious eye damage,

category 1, implicit pH: 1

Respiratory or

skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

12. Ecological information

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12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Persistence and degradability

May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Log Pow 1.645

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

Product/Packaging disposal recommendations: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

14. Transport information

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In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 1839

UN-No. (IMDG) : 1839

UN-No. (IATA) : 1839

UN-No. (ADN) : 1839

UN-No. (RID) : 1839

14.2. UN proper shipping name

Proper Shipping Name (ADR) : TRICHLOROACETIC ACID

Proper Shipping Name (IMDG) : TRICHLOROACETIC ACID, SOLID

Proper Shipping Name (IATA) : Trichloroacetic acid

Proper Shipping Name (ADN) : TRICHLOROACETIC ACID

Proper Shipping Name (RID) : TRICHLOROACETIC ACID

Transport document description (ADR) : UN 1839 TRICHLOROACETIC ACID, 8, II, (E),

ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG) : UN 1839 TRICHLOROACETIC ACID, SOLID, 8, II,

MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA) : UN 1839 Trichloroacetic acid, 8, II,

ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN) : UN 1839 TRICHLOROACETIC ACID, 8, II,

ENVIRONMENTALLY HAZARDOUS

Transport document description (RID) : UN 1839 TRICHLOROACETIC ACID, 8, II,

ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR : Transport hazard class(es) (ADR) : 8

Danger labels (ADR) : 8

IMDG : Transport hazard class(es) (IMDG) : 8

Danger labels (IMDG) : 8

IATA : Transport hazard class(es) (IATA) : 8

Hazard labels (IATA) : 8

AND : Transport hazard class(es) (ADN) : 8

Danger labels (ADN) : 8

RID : Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8

14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

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) : C4

Limited quantities (ADR) : 1kg

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P002, IBC08

Special packing provisions (ADR) : B4

Mixed packing provisions (ADR) : MP10

Portable tank and bulk container instructions (ADR): T3

Portable tank and bulk container special provisions (ADR): TP33

Tank code (ADR) : SGAN, L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Special provisions for carriage - Packages (ADR): V11

Hazard identification number (Kemler No.) : 80

Orange plates :Tunnel restriction code (ADR) : E EAC

code : 2X -

Transport by sea

Packing instructions (IMDG) : P002

IBC packing instructions (IMDG) : IBC08

IBC special provisions (IMDG) : B21, B4

Tank instructions (IMDG) : T3

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A EmS-No.

(Spillage) : S-B

Stowage category (IMDG) : A

Properties and observations

(IMDG) : Colourless, deliquescent crystals.

Melting point of the pure substance: 58°C .

In the presence of moisture,

corrosive to most metals.

Causes burns to skin, eyes and mucous membranes.

MFAG-No :153 -

Air transport

PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y844

PCA limited quantity max net quantity (IATA): 5kg

PCA packing instructions (IATA) : 859

PCA max net quantity (IATA) : 15kg

CAO packing instructions (IATA) : 863

CAO max net quantity (IATA) : 50kg

ERG code (IATA) : 8L -

Inland waterway transport

Classification code (ADN) : C4

Limited quantities (ADN) : 1 kg

Excepted quantities (ADN) : E2

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0 -

Rail transport

Classification code (RID) : C4

Excepted quantities (RID) : E2

Packing instructions (RID) : P002, IBC08

Special packing provisions (RID) : B4

Mixed packing provisions (RID) : MP10

Portable tank and bulk container instructions (RID): T3

Portable tank and bulk container special provisions (RID): TP33

Tank codes for RID tanks (RID) : SGAN, L4B

N Transport category (RID) : 2

Special provisions for carriage ☐ Packages (RID): W11

Colis express (express parcels) (RID) : CE10

Hazard identification number (RID) : 80

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

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

15.1.1. EU-Regulations No

REACH Annex XVII restrictions TRICHLOROACETIC ACID AR is not on the

REACH Candidate List TRICHLOROACETIC ACID AR is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 2, Significantly hazardous to water

(Classification according to AwSV; ID No. 197)

12th Ordinance Implementing the Federal

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

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen ☐ Borstvoeding: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen ☐ Vruchtbaarheid: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen ☐ Ontwikkeling : TRICHLOROACETIC ACID AR is listed

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years

are not allowed to use the product

15.2. Chemical safety assessment

No additional information available

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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