### 1. Product and Company Identifaction

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Product Name Acetone Pure ( CH3)2CO - 50 Ltr

Part Number RXSOL-19-1214-281

Company Details:

RX MARINE INTERNATIONAL 105, A wing , BSEL , TECH PARK. VASHI ,NEW BOMBAY 400703 INDIA

Branch: Kandla, Mumbai, Chennai, Vizag, Kolkata, UAE, OMAN, CANADA and KENYA

Phone +91 22 20871200 - 1400

Fax +91 22 27612100 :::AOH :0091 9821214367

 Email
 mail@rxmarine.com

 Website
 www.rxmraine.com

# 2. Composition / Information on ingredients

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Chemical Name Cas No EC No Whight Formula Acetone 67-64-1 200-662-2 100%  $C_3H_6O$ 

#### 3. Hazards Identification

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Signal Word Danger

Hazard Statements H225 Highly flammable liquid and vapor. H319 Causes serious eye

irritation. H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use non-sparking tools. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Classification of the substance or mixture Not a hazardous substance or mixture according to Regulation (EC) No

1272/2008.

Supplemental Hazard Statements EUH066 Repeated exposure may cause skin dryness or cracking.

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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General advice Show this material safety data sheet to the doctor in attendance.

If inhaled After inhalation: fresh air. Call in physician.

Eye Contact After eye contact: rinse out with plenty of water. Call in ophthalmologist.

Remove contact lenses.

Swallowed After swallowing: immediately make victim drink water (two glasses at

most). Consult a physician.

Skin Contact In case of skin contact: Take off immediately all contaminated clothing.

Rinse skin with water/ shower.

Inhalation Remove patient to fresh air, keep warm and at rest and get medical

assistance in necessary.

Ingestion Rinse mouth with water. Do not induce vomiting. Never give anything by

mouth to an unconscious person. Call a doctor or Poison Control Center

immediately.

Most important symptoms and effects, both acute and delaye

The most important known symptoms and effects are described in the

labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment No data available

needed

## 5. Fire-fighting Measures

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Flammability May be combustible at high temperature.

Suitable extinguishing media Carbon dioxide (CO2) Foam Dry powder

Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are

given.

Special hazards arising from the substance or mixture Carbon oxides Combustible. Pay attention to flashback. Vapors are

heavier than air and may spread along floors. Development of hazardous combustion gases or vapours possible in the event of fire. Forms explosive

mixtures with air at ambient temperatures.

Further information Remove container from danger zone and cool with water. Prevent fire

extinguishing water from contaminating surface water or the ground water

Fire may cause the evolution of Sulphur oxides, nitrogen oxides.

system

Hazardous combustion

products

Advice for firefighters In the event of fire, wear self-contained breathing apparatus.

Protective Equipment Use personal protective equipment.

Specific Hazards Arising from the Chemical Has a fire-promoting effect due to the release of oxygen.

Ambient fire may liberate hazardous vapours.

#### 6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Spillage

Oxidizing material. Stop leak if without risk. Avoid contact with a combustible material (wood, paper, oil, clothing...). Keep substance damp using water spray. Do not touch spilled material. Prevent entry into sewers, basements or confined areas dike if needed. Eliminate all ignition

sources. Call for assistance on disposal.

Personal Protection Advice for non-emergence

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Advice

for emergency responders: Protective equipment see section 8.

Environmental Precaution Do not let product enter drains. Risk of explosion.

Methods and materials for Cover drains. Collect, bind, and pump off spills. Observe possible containment and cleaning material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb® ). Dispose of properly. Clean up

affected area.

Reference to other sections For disposal see section 13.

# 7. Handling and Storage

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Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Incompatible materials

Keep away from alkalis, strong oxidizing agents and metals. Provide

Hygiene measures

Precautions for safe handling

Conditions for safe storage, including any incompatibilities

Storage conditions

Storage class

Specific end use(s)

containment walls of adequate capacity to hold any accidental spills.

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance. For precautions see section 2.2.

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

Storage class (TRGS 510): 3: Flammable liquids

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

# 8. Exposure controls and personal protection

Inhalation

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Application Area Routes of exposure
Workers Skin contact
Consumers Ingestion
Consumers Skin contact
Workers Inhalation

Compartment

Soil

Workers

Sea water Fresh water Sea sediment

Fresh water sediment

Exposure controls

Engineering Control

Eye/face protection

Body Protection Skin protection

Respiratory protection

Health effect Value

Long-term systemic effects

Long-term systemic effects

Long-term systemic effects

Camg/kg BW/d

Cong-term systemic effects

Acute systemic effects

Long-term systemic effects

2420 mg/m3

Long-term systemic effects

1210 mg/m3

Value 33,3 mg/kg 1,06 mg/l 10,6 mg/l 3,04 mg/kg 30,4 mg/kg

No specific additional engineering controls are required. Provide good natural or artificial ventilation.

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Flame retardant antistatic protective clothing.

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Full contact Material: butyl-rubber Minimum layer thickness: 0,7 mm Break through time: 480 min Material tested:Butoject® (KCL 898) This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Splash contact Material: Latex gloves Minimum layer thickness: 0,6 mm Break through time: 10 min Material tested:Lapren® (KCL 706 / Aldrich Z677558, Size M)

Required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type AX The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the

instructions of the producer. These measures have to be properly

documented.

Handle in accordance with good industrial hygiene and safety practice.

Do not let product enter drains. Risk of explosion.

## 9. Physical and chemical properties

Other Protection Measure

Control of environmental exposure

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Physical state Clear, liquid
Colour Colorless

Odour No data available
Odor Threshold Not Applicable

pH 5 - 6 at 395 g/l at 20 °C

Melting Point 94 °C - lit.

Boiling Point  $56 \, ^{\circ}\text{C}$  at  $1.013 \, \text{hPa}$  - lit. Flash Point  $17,0 \, ^{\circ}\text{C}$  - closed cup Evaporation Rate Not Applicable Flammability (solid, gas) No data available Explosive limits No Data Available Upper/Lower flammability or explosive limits  $13 \, \%(\text{V}) \, / \, 2 \, \%(\text{V})$ 

Autoignition temperature 465,0 °C

Decomposition temperatureNo data availableVapour pressure245,3 hPa at 20,0 °CDensity0,791 g/cm3 at 25 °C - lit.

Relative Vapor Density

No data available
Freezing point

No data available
Specific Gravity

No data available
Partition coefficient

No data available
Explosive properties

No data available
Solubility

No data available

Ignition temperature No information available.

Particle characteristics No data available

# 10. Stability and reactivity

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Reactivity Vapors may form explosive mixture with air.

Stability The product is chemically stable under standard ambient conditions (room

temperature).

Possibility of hazardous reactions Risk of ignition or formation of inflammable gases or vapours with:

chromosulfuric acid chromyl chloride ethanolamine Fluorine Strong oxidizing agents strong reducing agents Nitric acid chromium(VI) oxide Risk of explosion with: nonmetallic oxyhalides halogen-halogen compounds Chloroform nitrating acid nitrosyl compounds hydrogen peroxide halogen oxides organic nitro compounds peroxi compounds Exothermic reaction with: Bromine Alkali metals alkali hydroxides Halogenated hydrocarbon Sulfur dichloride phosphorous oxichloride

Warming.

Incompatible materials Rubber, various plastics

Hazardous Polymerization In the event of fire: see section 5

# 11. Toxicological information

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Acute toxicity

Conditions to avoid

LD50 Oral - Rat - female - 5.800 mg/kg Remarks: (ECHA) LC50

Skin corrosion/irritation

Serious eye damage/eye irritation

Respiratory or skin sensitization

Carcinogenicity

Germ cell mutagenicity

Reproductive toxicity

Specific target organ toxicity - single exposure

Endocrine disrupting properties

Inhalation - Rat - 4 h - 76 mg/l - vapor Remarks: Unconsciousness Drowsiness Dizziness (External MSDS) LD50 Dermal - Rabbit - 20.000 mg/kg Remarks: (IUCLID)

Skin - Rabbit Result: Mild skin irritation - 24 h (Draize Test) Remarks: (RTECS)

Eyes - Rabbit Result: Eye irritation - 24 h (Draize Test) Remarks: (RTECS)

Maximization Test - Guinea pig Result: Not a skin sensitizer. Remarks: (ECHA) Chronic exposure may cause dermatitis.

No data available

Test Type: Mutagenicity (mammal cell test): chromosome aberration. Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: Mouse lymphoma test Metabolic activation: without metabolic activation Method: OECD Test Guideline 476 Result: negative

No data available

No data available

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. RTECS: AL3150000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. After absorption: Headache Salivation Nausea Vomiting Dizziness narcosis Coma Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice. Kidney - Irregularities - Based on Human Evidence

# 12. Ecological information

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Persistence and degradability

Bioaccumulative potential

Toxicity to fish

Toxicity to daphnia and other aquatic invertebrates

Toxicity to bacteria

Toxicity to algae

Products Biodegradation

Mobility in soil

Results of PBT and vPvB assessment

Endocrine disrupting properties

Other adverse effects

Biodegradability aerobic - Exposure time 28 d Result: 91 % - Readily biodegradable. (OECD Test Guideline 301B) Biochemical Oxygen Demand (BOD) 1.850 mg/g Remarks: (IUCLID) Chemical Oxygen Demand (COD) 2.070 mg/g Remarks: (IUCLID) Theoretical oxygen demand 2.200 mg/g Remarks: (Lit.)

Does not bioaccumulate.

Flow-through test LC50 - Pimephales promelas (fathead minnow) - 6.210 mg/l - 96 h (OECD Test Guideline 203)

Static test LC50 - Daphnia pulex (Water flea) - 8.800 mg/l - 48 h Remarks: (ECHA)

Static test EC50 - activated sludge - 61,15 mg/l - 30 min (OECD Test Guideline 209)

Static test NOEC - M.aeruginosa - 530 mg/l - 8 d (DIN 38412) Remarks: (maximum permissible toxic concentration) (IUCLID)

The methods for determining the biological degradability are not applicable to inorganic substances.

No Information available

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.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

No data available

### 13. Disposal considerations

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Disposal methods

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do

not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

Waste treatment Method No data available

### 14. Transport information

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UN number ADR/RID:1090 IMDG: 1090 IATA: 1090

UN proper shipping name ADR/RID: Acetone IMDG: Acetone IATA: Acetone

Transport hazard class(es) ADR/RID: 3 IMDG: 3 IATA:3 Packaging group ADR/RID:II IMDG: II IATA: II ADR/RID: No IMDG: No IATA: No Environmental hazards

Special precautions for user Tunnel restriction code: (C/E)

Further information Not classified as dangerous in the meaning of transport regulations.

### 15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the This material safety data sheet complies with the requirements of substance or mixture

Other regulations

Authorisations and/or restrictions on use

National legislation

Chemical Safety Assessment

Regulation (EC) No. 1907/2006.

Take note of Dir 94/33/EC on the protection of young people at work.

Regulation (EU) 2019/1148 on the marketing and use of explosives

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous

substances. P5c FLAMMABLE LIQUIDS

A Chemical Safety Assessment has been carried out for this substance.

#### 16. Other information

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Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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