Material Safety Data Sheet

CADMIUM OXIDE AR (RXSOL-60-6604-213)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-213
Product Type	CADMIUM OXIDE AR
Revised date	27-04-2019

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

Composition:

Name	CAS #	% by Weight
Cadmium oxide AR	1306-19-0	100%

Toxicological Data on Ingredients: Cadmium oxide: ORAL (LD50): Acute: 72 mg/kg [Rat]. 72 mg/kg

[Mouse].

3. Hazards Identification

Potential Acute Health Effects:
Extremely hazardous in case of ingestion. Very hazardous in case of inhalation. Hazardous in case of skin contact (irritant), of eye contact (irritant). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE]. The substance is toxic to blood, kidneys, lungs, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

4. First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.
Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention
. Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
Inhalation
: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to

mouth resuscitation. Seek medical attention.
Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious Ingestion: Not available.

5. Fire-fighting Measures

Flammability of the Product : Non-flammable.
Auto-Ignition Temperature : Not applicable.
Flash Points : Not applicable.
Flammable Limits : Not applicable.
Products of Combustion : Not available.
Fire Hazards in Presence of Various Substances: Not applicable.
Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions : Not applicable.
Special Remarks on Fire Hazards : Not available.
Special Remarks on Explosion Hazards : Not availabl

6. Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. Handling and Storage

Precautions:

Keep locked up Do not ingest. Do not breathe dust. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
Storage:

Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room

8. Exposure controls and personal protection

Engineering Controls:
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.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.05 (mg/m3) Consult local authorities for acceptable exposure limits

9. Physical and chemical properties

Physical state and appearance: Solid
. Odor : Not available.
Taste : Not available.
Molecular Weight: 128.4 g/mole
Color : Not available.
pH (1% soln/water) : Not available.
Boiling Point : Not available.
Melting Point : Sublimes. (1559°C or 2838.2°F) Critical
Temperature : Not available.
Specific Gravity : 8.15 (Water = 1)
Vapor Pressure : Not applicable.
Vapor Density : Not available.
Volatility : Not available.
Odor Threshold : Not available.
Water/Oil Dist. Coeff. : Not available.
Ionicity (in Water) : Not available.
Dispersion Properties : See solubility in water.
Solubility : Insoluble in cold water.

10. Stability and reactivity

Stability: The product is stable.
Instability Temperature: Not available.
Conditions of Instability: Not available.
Incompatibility with various substances: Not available.
Corrosivity: Not available.
Special Remarks on Reactivity : Not available.
Special Remarks on Corrosivity: Not available.
Polymerization: No.

11. Toxicological information

Routes of Entry:
Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals:
Acute oral toxicity (LD50): 72 mg/kg [Mouse]
Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP. DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE]. The substance is toxic to blood, kidneys, lungs, liver.
Other Toxic Effects on Humans:
Extremely hazardous in case of ingestion. Very hazardous in case of inhalation. Hazardous in case of skin contact (irritant).
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Animal embryotoxic. Animal: passes through placental barrier, excreted in maternal milk.
Special Remarks on other Toxic Effectson Humans: Not available.

12. Ecological information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation:
The products of degradation are as toxic as the original product.
Special Remarks on the Products of Biodegradation: Not available.

13. Disposal considerations

Waste Disposal:

14. Transport information

Land transport (ADR-RID)
Proper shipping name : CADMIUM COMPOUND
UN N° : 2570
H.I. nr : 60
ADR - Class : 6.1
Labelling - Transport : 6.1 : Toxic substances.
Sea transport (IMDG) [English only]
Proper shipping name : CADMIUM COMPOUND
UN N° : 2570
IMO-IMDG - Class or division : 6.1 : Toxic substances
IMO-IMDG - Packing group : III
Air transport (ICAO-IATA) [English only]
Proper shipping name : CADMIUM COMPOUND
UN N° : 2570
IATA -Class or division: 6.1 : Toxic substances.
IATA - Packing group : III

15. Regulatory information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Cadmium oxide California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Cadmium oxide Pennsylvania RTK: Cadmium oxide Massachusetts RTK: Cadmium oxide TSCA 8(b) inventory: Cadmium oxide SARA 302/304/311/312 extremely hazardous substances: Cadmium oxide SARA 313 toxic chemical notification and release reporting: Cadmium oxide CERCLA: Hazardous substances.: Cadmium oxide
Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
Other Classifications:
WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
DSCL (EEC)
Irritating to eyes and skin. R45- May cause cancer.Toxic: danger of serious damage to health in case of prolonged exposure if swallowed. R63- Possible risk of harm to the unborn child.
HMIS (U.S.A.):
Health Hazard:2
Fire Hazard: 0
Reactivity: 0
Personal Protection:E
National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 0
Reactivity: 0
Specific hazard:
Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

16. Other information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:
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