

JAC-Electronics

Materials Safety Data Sheet According to OSHA 1910.1200 – ISO/DIS 11014

Printing date: June 30, 2010

1. Identification of the substance/preparation and company information

Product details

Trade name: JAC-Electronics

Application: Rust and corrosion inhibitor for electronic circuit boards and wiring. Shake before use.

Manufacturer/Supplier:

RJAC-10, LLC
16322 Dexter Pt.
Cypress, TX 77429

Other information:

Telephone: 281-225-6858

Information in case of emergency:

24 hr. Emergency Telephone: Chemtrec:
1-800-424-9300 (USA, Canada, Puerto Rico); 1-703-527-3887 (Elsewhere)

2. Composition Information on Ingredients

Chemical Name	Content	CAS No.:
Calcium Carboxylate Salt	5-7%	Proprietary
Oxidized Organics	7-11%	Proprietary
Oxygenated alkyl	12-14%	Proprietary
Poly(alpha olefin)	20-25%	68649-11-6
Medium Aliphatics	50-55%	64742-88-7

3. Hazards Identification

EMERGENCY OVERVIEW

Irritating to eyes and skin.

Brown-yellow with a characteristic odor.

Hazardous Ingredients:

Calcium Carboxylate Salt Hazard: Irritating to eyes and skin.

Symptoms of Exposure: Irritation to eyes and skin.

Medical Conditions Aggravated by Exposure: Eczema or other dermatological conditions.

Primary Route(s) of Entry: Dermal and inhalation

NFPA INFORMATION / HMIS INFORMATION

HEALTH: 2

FLAMMABILITY: 2

REACTIVITY: 0

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4. First-Aid Measures

After inhalation: Remove to fresh air; consult doctor in case of complaints.

After skin contact: Wash effected area immediately with plenty of water and soap.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Wash out mouth with water provided person is conscious. Consult a doctor immediately.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂, foam, dry powder. Do not use water.

Do not let contaminated extinguishing material enter the soil, groundwater or surface waters.

In case of fire, sulfur dioxide and other toxic gases may form.

Protective equipment: In case of fire-fighting, respirators are necessary.

6. Accidental Release Measures

Safety precautions: Prevent contact with skin and eyes. Wear personal protective equipment.

Measures for cleaning/collecting: Absorb with liquid-binding material, e.g. sand universal binders, sawdust.

Measures for environmental protection: Do not allow to enter sewers, surface or ground water. Inform respective authorities in case of seepage into water course or sewage system. Fill materials should be collected and stored in closed, labeled containers for disposal.

7. Handling and Storage

Handling: Product should be handled in accordance with good Industrial Hygiene and Safety practices. Adequate exhaust ventilation should be provided in work areas.

Storage: Product should be stored in a dry place at room temperature. Product should be stored in tightly sealed originally labeled containers.

8. Exposure Controls and Personal Protection

Ingredients with limit values that require workplace monitoring:

The product does not contain any relevant quantities of materials of critical values that have to be monitored at the workplace.

Personal Protective Equipment:

Eye protection: Wear tightly sealed goggles.

Hand protection: Wear protective gloves (Nitrile, Neoprene, PVC)

Respiratory protection: Necessary if vapors are present or spray may be formed.

General protective and hygienic measures:

Avoid contact with eyes and skin.

Wash thoroughly after handling and before eating, drinking or smoking.

Keep away from foodstuffs, beverages and feed.

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9. Physical and Chemical Properties

Appearance: Liquid
Color: Brown-yellow
Odor: Characteristic
Density: 0.81 g/mL
Boiling pt/range: 350-370°C
Melting pt/range: Below 20°C
pH: Not applicable (organic liquid)
Flash Point: >120°C
Flammability Limits (Solvent Portion): LEL: 0.6%; UEL: 8%
Percent Volatile: 60-67%
VOC: 60%
Vapor Pressure: Not determined
Solubility in water: Not soluble

10. Stability and Reactivity

Conditions to be avoided: none.
Dangerous reactions: Avoid contact with strong acids, strong bases (e.g. alkalis).
Dangerous decomposition products: No decomposition if used according to specifications.
See Section 5 for decomposition products in case of fire.

11. Toxicological Information

The following applies to the calcium carboxylate salt

Acute toxicity:

Oral: LD50(rat) > 2000 mg/kg

Irritation effects:

Eye: Irritating

Skin: Irritating

Skin sensitization: No evidence of human skin sensitization after many years of experience in producing and handling this material.

12. Ecological Information

Aquatic Toxicity:

LC50 (fish) No data available

Biodegradation

Not determined

13. Disposal Considerations

Recommendation: Do not allow product to reach ground water, water course or sewage system. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Uncleaned packages must be disposed of in same manner as product. Disposal must be made according to official regulations. Must not be disposed together with household garbage.

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14. Transportation Information

Dot Regulations: Not regulated
Hazard class: - Non-hazardous
Identification number: -
Packing group: -
Proper shipping name: - Rust and corrosion inhibitor
Maritime transport IMDG: Not regulated, non-hazardous
IMDG class: -
Marine pollutant No
Air transport ICAO-TI an IATA-DGR: Not regulated
ICAO/IATA class: - Non-hazardous

15. Regulatory Information

NTP, IARC and OSHA:

This product does not contain any substances listed as a carcinogen.

RCRA:

Formulated products may or may not be hazardous under RCRA and should be tested.

SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372.

CALIFORNIA PROP 65:

None.

OTHER

This product does not contain nor is it manufactured with ozone depleting chemicals.

NATIONAL REGULATIONS:

Product is listed or in compliance with the following current regulations:
US TSCA, CANADA DSL, EEC EINECS, JAPAN MITI, AUSTRALIA AICS, KOREA ECL,
PHILIPPINES PICCS

16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither RJAC-10 LLC, nor any of its distributors assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.