



8 Corporate Park, Suite 300
Irvine, CA 92606 949-242-4517

MATERIAL SAFETY DATA SHEET

Material name NCRF-420 (No Clean Rework Flux for soldered assembly repair)

1. Product and Company Identification - Version # 01 Revision date 06-01-2010

Manufacturer information Orange County Instruments Inc
8 Corporate Park Suite 300
Irvine, CA
92606
949-242-4517
Emergency Number 760-840-1350

Component	CAS Number	Exposure Limits
Modified Rosins	N/A	Not Established
Pin Oil and Derivatives	8000-41-7	Not Established
Mixed Carboxylic Acids	N/A	Not Established
Trade Secrete	N/A	Not Established

Emergency overview Caution! may cause skin irritation.

2. Hazards Identification

Potential health effects

Routes of exposure Inhalation, ingestion, skin and eye contact.

3. Composition / Information on Ingredients

First aid procedures

Eye contact Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

4. First Aid Measures

Skin contact Wash area thoroughly with soap and water. Get medical aid if irritation develops or persists.

Inhalation Unlikely, this material is not normally airborne - Remove from exposure to fresh air immediately. Get medical aid if cough or other symptoms appear.

Ingestion Do not induce vomiting. Never give anything by mouth to an unconscious person. If victim is conscious and alert, give 2-4 cups full of milk or water. Get medical aid.

Flammable properties Can burn in fire, releasing toxic vapors. Vaporized easily at normal temperatures.

5. Fire Fighting Measures

Extinguishing media - Suitable extinguishing media

Carbon dioxide, foam, dry chemical, water.

Firefighter Protection, equipment and precautions

As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Personal precautions Wear protective equipment.



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6. Accidental Release Measures

Environmental precautions

For an uncontrolled release of this product to the environment, take immediate steps to stop and contain release. Notify local authorities, if required.

Other information

Clean up with rags or paper and place in container for refining. A mild solvent will aid in cleanup.

Handling

Use with adequate ventilation. Avoid contact with skin and eyes by using gloves. Wash thoroughly after handling.

7. Handling and Storage

Storage Keep syringe capped and refrigerated not in use. Store at ambient or lower temperature. Storage at room temperature is acceptable, but refrigeration prolongs life of material

ACGIH

Occupational exposure limits

Components CAS # Type Value

Trade Secret

8. Exposure Controls / Personal Protection

Engineering controls Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal protective equipment

Eye / face protection Wear chemical safety glasses with side shields. Have eye washing facilities readily available where eye contact can occur.

Skin protection Avoid unnecessary skin contact with this material. Use appropriate chemical protective gloves when handling.

Respiratory protection Good general ventilation should be sufficient to control airborne levels. A NIOSH approved dust/mist respirator is recommended when TLV levels are exceeded.

Odor Amber colored with mild odor

9. Physical & Chemical Properties

Boiling point > 400 °F (> 204.4 °C)

Flash point > 200 °F (> 93.3 °C)

Chemical stability Stable under normal conditions of use. Avoid contact with strong oxidizers, acids and alkali.

10. Chemical Stability & Reactivity Information

Hazardous decomposition products

May form carbon dioxide and carbon monoxide.

Possibility of hazardous reactions

Will not occur.

Not available.

11. Toxicological Information

Ecotoxicity Ecological data are not available. Material should be treated as harmful to aquatic organisms.

12. Ecological Information

Persistence and degradability Not available.

Disposal instructions Disperse of in accordance with all applicable local, state and federal regulations.

13. Disposal Considerations

DOT Not regulated as dangerous goods.



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14. Transport Information

US federal regulations All components of this product are listed on the TSCA Inventory.

15. Regulatory Information

CERCLA (Superfund) reportable quantity None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

HMIS® ratings

Health: 2
Flammability: 2
Physical hazard: 0

16. Other Information

NFPA ratings

Health: 2
Flammability: 2
Instability: 0

Disclaimer NOTICE: This MSDS is a compilation of information supplied in the MSDS's obtained from the manufacturers of the chemicals present in this product. This information is for guidance and is furnished without warranty of any kind. It is a compilation believed to be reliable, but OCI Inc. assumes no obligation or liability for its completeness or accuracy.