

Safety Data Sheet

Section 1 Identification

| | | | |
|---------------------------------|-------------------|-----------------------|---------|
| Trade Name: | Dura 76F Additive | Date Prepared: | 3/8/22 |
| Product Identification: | PR-DURA76F | CAS No: | Mixture |
| Synonyms: | None | | |
| Product Use Description: | Plating Additive | | |

Details of the supplier of the safety data sheet

Plating Resources, Inc.
2845 W King St., Unit 108
Cocoa, FL 32926

Phone: (321) 632-2435

Website: www.plating.com

Emergency telephone number

Infotrac (800) 535-5053 (US & Canada)
(352) 323-3500

Section 2 Hazards Identification

GHS Classification:

| | |
|---|-------------|
| Oxidizing Solid: | Category 2 |
| Acute Toxicity - Oral: | Category 2 |
| Acute Toxicity – Inhalation Dust/Mist: | Category 4 |
| Skin Corrosion/Irritation: | Category 1B |
| Serious Eye Damage/Irritation: | Category 1 |
| Respiratory Sensitization: | Category 1 |
| Germ Cell Mutagenicity: | Category 1B |
| Reproductive Toxicity: | Category 1B |
| Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure: | Category 1 |
| Hazardous to the aquatic environment - Acute: | Category 1 |
| Acute Toxicity – Dermal: | Category 4 |

GHS label elements:



Oxidizing



Irritant



Environmental



Health Hazard



Corrosive



Toxic

Signal Word: Danger

Hazard Statements:

H272 May intensify fire.
H300 Fatal if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H340 May cause genetic defects.

- H360 May damage fertility or the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.

Precautionary Statements:

Prevention

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, open flames and hot surfaces. — No smoking.
- P220 Store away from combustible materials.
- P260 Do not breathe dust.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment
- P280 Wear protective gloves, protective clothing and eye protection or face protection.
- P284 Wear respiratory protection.

Response

- P301 + P330 + P331 + P310** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
- P303 + P361 + P353 + P310** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
- P304 + P340 + P310** IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
- P305 + P351 + P338 + P310** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- P309 + P310** IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician.
- P370** In case of fire: Use water spray, fog or regular foam for extinction

Storage

- P405 Store locked up.

Disposal

- P501 Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC):

None.

Additional Information:

None.

Section 3 Composition

| Chemical Name | Common name and synonyms | CAS # | % |
|-------------------------|--------------------------|-------|----------|
| Proprietary Component 1 | | | 75 - 100 |

Section 4 First Aid

General:

Move out of dangerous area. Perform first aid measures as indicated. Seek medical attention and show this safety data sheet to attending physician.

Inhalation:

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulty occurs or persists seek medical attention. If not breathing give artificial respiration and seek immediate medical attention.

Skin contact:

Immediately flush exposed skin with water for at least 15 minutes while removing contaminated clothing and/or shoes. Thoroughly wash with soap and water. Seek medical attention if irritation develops or persists.

Eye contact:

Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Check for and remove any contact lenses if easy to do. Seek immediate medical attention.

Ingestion:

Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention.

Most important symptoms and effects both acute and delayed:

No information available.

Indication of any immediate medical attention and special treatment needed:

No information available.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media:

Use extinguishing media suitable for surrounding fire or source of fire. Use water spray to cool fire exposed containers.

Unsuitable Extinguishing Media:

No information available.

Specific hazards developing from the chemical:

In fire conditions product may decompose producing chromium fumes. In fire conditions after water loss, combustion may produce carbon monoxide, carbon dioxide and other unidentified combustion products.

Precautions for firefighters:

Fine dust clouds may form explosive mixtures with air.

Firefighting Instructions:

No information available.

Protection During Firefighting:

Wear full protective gear and full face pressure demand self-contained breathing apparatus.

Other information:

No additional information available.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Evacuate the area of all non-essential personnel. Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist, vapor or dust. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Environmental precautions:

Ventilate the area if it is safe to do so.

Methods and material for containment and cleaning up:

Sweep up spilled material and place in suitable container for disposal. Dispose of spilled/collected material in accordance with all federal, state and local regulations.

Section 7 Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of mist, vapor and dust. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Conditions for safe storage, including any incompatibilities:

Store in original vented container. Keep container tightly closed. Store at room temperature (50-90 F) in a dry well-ventilated area. Do not store near acids, heat sources, oxidizable materials or organics. Keep out of direct sun light.

Section 8 Exposure Controls/Personal Protection

Exposure limits:

| Ingredient | Data Source | Exposure Form | Exposure Value | Exposure Notes |
|-------------------------|-------------|---------------|----------------|----------------|
| Proprietary Component 1 | ACGIH TLV | TWA | 0.05 mg/m3 | |
| | OSHA PEL | 8h TWA | 0.005 mg/m3 | |

Appropriate Engineering Controls:

Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or exposure limits. An eyewash and safety shower should be available in the work area.

Individual protection measures:**Eye/face protection:**

Chemical goggles or face shield should be worn when handling this material.

Skin protection:**Hand Protection:**

Wear chemical resistant gloves when handling.

Other:

Wear chemical resistant clothing or chemical splash suit when handling.

Respiratory Protection:

Wear respiratory protection while using this material.

General hygiene considerations:

Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

Additional information:

No additional information available.

Section 9 Physical and Chemical Properties

| | |
|----------------------------------|------------------------------|
| Appearance | Red to yellow solid |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | 4.0 |
| Melting/freezing point | 675°F(357°C) |
| Initial boiling point | 752°F(400°C) |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Lower flammability limit | Not available. |
| Upper flammability limit | Not available. |
| Lower explosive limit | Not available. |
| Upper explosive limit | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility in water | Soluble |
| PC: n-octanol/water | Not available. |
| Auto-Ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Density | Not available. |
| Specific gravity | 2.5 g/cm ³ @ 20°C |

Section 10 Stability and Reactivity

| | |
|--------------------------------|--|
| Reactivity: | Not reactive under normal use conditions. |
| Chemical stability: | Material is stable under normal handling and storage conditions. |
| Hazardous reactions: | Avoid contact with oxidizers, reducing agents, alkali metals and nucleophiles. |
| Conditions to avoid: | Avoid excessive heating, freezing and chemical contamination. |
| Decomposition products: | Sodium Oxides. |
| Incompatible materials: | Hazardous polymerization will not occur under normal handling and storage. |

Section 11 Toxicological Information

Information on the likely routes of exposure:

Inhalation:

Inhalation of dust will be irritating and corrosive to contacted tissue.

Skin Contact:

Corrosive to skin upon contact.

Eye Contact:

Corrosive to eye tissue.

Ingestion:

Corrosive to contacted tissue. Fatal if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics:

No information available.

Delayed and chronic effects:

No information available.

Numerical measures of toxicity:

| Components | Exposure | Species | Dose | Notes |
|---------------------------------|----------|---------|----------|-------|
| Proprietary Component 1: | | | | |
| LD50 | Oral | Rat | 50 mg/kg | |

Toxicological effects:

Acute Toxicity:

Respiratory disorders, eye disorders, liver disorders, impaired kidney function.

Skin Corrosion/Irritation:

Causes severe skin burns.

Serious Eye Damage/Irritation:

Causes serious eye damage.

Respiratory sensitization:

Evidence of a sensitization effect.

Skin sensitization:

Evidence of a sensitization effect.

Germ cell mutagenicity:

Evidence of a mutagenic effect.

Carcinogenicity:

This product is considered to be a potential carcinogen by:

NTP: Yes

OSHA: No

IARC: Yes

Reproductive toxicity:

This product may cause reproductive and developmental effects.

STOT-single exposure:

No information available.

STOT-repeated exposure:

This material may cause damage through prolonged or repeated exposure.

Aspiration hazard:

Mixture:

This product is not an aspiration hazard.

Additional information:

None.

Section 12 Ecological Information

Ecotoxicity:

Severe ecological hazard. This product may be toxic to plants and/or wildlife. Keep out of waterways.

Numerical measures of ecotoxicity:

| Components | Type | Species | Dose | Notes |
|---------------------------------|------|---------|-------------------|-------|
| Proprietary Component 1: | | | No Data Available | |

Persistence and degradability:

No information available.

Bioaccumulative potential:

No information available.

Mobility in soil:

No information available.

Other adverse effects:

No information available.

Additional information:

No information available.

Section 13 Disposal Considerations

Disposal instructions:

Dispose of material in accordance with all federal, state and local regulations.

Contaminated packaging:

Triple rinse container and offer for recycling. Dispose of container following all federal, state and local regulations.

Additional Information:

No additional information available.

Section 14 Transport Information

DOT:

UN number: UN3086

UN proper shipping name: UN3086, Toxic solids, oxidizing, n.o.s. (contains sodium dichromate dihydrate), 6.1, (5.1), PGI

Class: 6.1

Subsidiary Risk: none

Label(s): 6.1, 5.1

Packing group: I

Packaging exceptions: none

Section 15 Regulatory Information

Federal regulations:

SARA 311/312 Hazard categories:

Immediate (Acute) Health Hazard.

Delayed (Chronic) Health Hazard.

Reactivity Hazard.

SARA 302 Extremely hazardous substance:

Not listed.

SARA 304 Emergency release notification:

Not regulated.

SARA 311/312 Hazardous chemical:

No.

SARA 313 Toxic Release Inventory (TRI) report:

Proprietary Component 1.

CERCLA Hazardous substance list:

Proprietary Component 1 Reportable Quantity: 10 lbs.

Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA):

This chemical is not a pesticide product.

Clean Air Act regulated substances:

None.

Clean Water Act regulated substances:

Proprietary Component 1 Reportable Quantity: 10 lbs.

U.S. state regulations:

None.

Canadian regulations:

Canadian Ingredient Disclosure List substances:

None listed.

WHMIS classification:

Not classified.

Section 16 Other Information

HMIS hazard ID:

| | |
|----------------------------|---|
| HEALTH | 4 |
| FLAMMABILITY | 0 |
| REACTIVITY | 3 |
| PERSONAL PROTECTION | |

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *-Chronic health effect

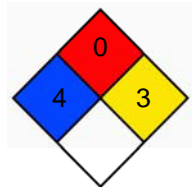
NFPA hazard ID:

Flammability:

Health:

Reactivity:

Special hazard:



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Disclaimer:

This Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.