

CHEMEON® FSO

SECTION 1: Identification

Product identifier: CHEMEON® FSO
Other Names: Metalast FSO (prior to June, 2015).
Product Code Number: Not applicable.
Recommended use: Gold dye for anodized aluminum.
Recommended restrictions: Uses other than as recommended above.

Manufacturer/Importer/Supplier/Distributor information:

Company Name: CHEMEON Surface Technology, LLC.
Company Address: 2241 Park Place, Bldg. B
Minden, NV 89423.
Company Telephone: (775) 782-8324
Company Contact Name: Customer Service
8:00 AM – 5:00 PM PST, Mon-Fri.
Emergency phone number: Chemtrec 24 hr. Emergency Telephone
800-424-9300 within U.S.
703-527-3887 outside U.S.

SECTION 2: Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

Physical hazards

No physical hazards under GHS classification.

Health hazards

Acute toxicity, Oral Category 4.
Acute toxicity, Dermal Category 4.

Environmental hazards

No environmental hazards under GHS classification.

GHS Signal word: WARNING.

GHS Hazard statement(s): H302+H312 –Harmful if swallowed or in contact with skin.

GHS Hazard symbol(s):



GHS Precautionary statement(s):

Prevention:

- P264 – Wash hands thoroughly after handling.
- P270 – Do not eat, drink or smoke when using this product.
- P280 – Wear protective gloves/protective clothing.

Response:

- P301+P312+P330 – IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
- P302+P352+P312 – IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER/doctor if you feel unwell.
- P363 – Wash contaminated clothing before reuse.

Storage:

- No storage precautionary statements required.

Disposal:

- P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients**Mixture:**

Component	CAS No	Concentration (weight %)
Ferric Sodium Oxalate	13268-42-3	10-40%

Note: The balance of the ingredients are not classified as hazardous or are below the concentration limit to be classified as hazardous, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

SECTION 4: First-aid Measures

Inhalation: Immediately move person to fresh air if vapor or mist of product is inhaled. Seek immediate medical attention if symptoms develop.

Skin contact: Immediately remove all contaminated clothing. Wash affected area with water and soap. If irritation occurs seek medical attention.

Eye contact: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Ensure adequate flushing of eyes by separating eyelids with fingers. Seek medical attention.

Ingestion: Wash out mouth with large amounts of water and do not induce vomiting. Seek medical attention.

Most important symptoms/effects, acute and delayed: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of immediate medical attention and special treatment needed: If any symptoms are observed, contact a physician and give them this SDS sheet. If exposed or concerned: Get medical advice/attention.

SECTION 5: Fire-fighting measures

Conditions of flammability: Not flammable or combustible

Suitable extinguishing media: Use Water, CO₂ or dry chemical.

Special protective equipment and precautions for fire-fighters:

As in any fire, wear self-contained breathing apparatus for fighting if necessary.

Special hazards arising from the mixture: Carbon oxides, Nitrogen oxides (NOx), Iron oxides

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions: Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Use water sparingly to minimize environmental contamination and reduce disposal requirements. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

Methods and material for containment and cleaning up: Absorb spill with inert material and shovel into appropriate waste disposal container. Dispose of collected material according to regulations.

SECTION 7: Handling and Storage

Precautions for safe handling: Do not get this material in your eyes, on your skin, or on your clothing. Wash thoroughly after handling. For industrial use only. Do not take internally. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of the product.

Conditions for safe storage, including any incompatibles: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: Exposure controls/personal protection

Control Parameters:

Occupational exposure limits: Data not available

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses and a face shield where a splash hazard exists. Wear a full-face respirator, if needed. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and Hand protection: Impervious gloves and protective clothing are recommended. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Other: Eye wash, safety shower and washing facilities should be available in the work area.

Thermal hazards: No data available.

SECTION 9: Physical and chemical properties

Appearance

Physical state:

Liquid

Color:

Brown

Odor:	No data available
Odor threshold:	No data available
pH:	3-4.5
Melting point/freezing point:	10° F
Initial Boiling Point and boiling range:	>220° F
Flash point:	Not applicable
Evaporation rate:	No data available
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits	
Flammability limit – lower (%):	No data available
Flammability limit – upper (%):	No data available
Explosive limit – lower (%):	No data available
Explosive limit – upper (%):	No data available
Vapor pressure:	No data available
Vapor density (air=1):	No data available
Relative density (water = 1):	Not determined
Solubility(ies):	100%
Partition coefficient (n-octanol/water):	No data available
Ignition temperature:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Viscosity @ 20°C:	Not available
Specific Gravity/Wt. per gal.	1.22/10.2 lbs/gal

SECTION 10: Stability and Reactivity

Reactivity:	Not chemically reactive.
Chemical stability:	Stable under normal ambient and anticipated conditions of use.
Possibility of hazardous reactions:	No data available
Conditions to avoid:	No data available
Incompatible materials:	Strong alkalies.
Hazardous decomposition products:	None

SECTION 11: Toxicological information

Information on toxicological effects:

Acute Oral Toxicity	:	No data available
Acute Inhalation Toxicity	:	No data available
Acute Dermal Toxicity	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory/skin sensitization	:	No data available
Aspiration toxicity	:	No data available
Mutagenicity assessment	:	No data available
Carcinogenicity	:	No components are known carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.
Reprotoxicity / teratogenicity	:	No data available
General information	:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

Ecotoxicity:	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
Other adverse effects:	No data available

SECTION 13: Disposal considerations

Product - Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging - Dispose of as unused product.

SECTION 14: Transport Information

Land transport DOT

This material is not classified as dangerous under DOT regulations.

Maritime transport IMDG

This material is not classified as dangerous under IMDG regulations.

Air transport ICAO-TI and IATA-DGR

This material is not classified as dangerous under IATA regulations.

Environmental hazards

Marine pollutant: No.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No further relevant information available.

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

None.

SECTION 15: Regulatory Information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313:

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

Triammonium iron(3+) trioxalate trihydrate, 13268-42-3

Pennsylvania Right To Know Components

Triammonium iron(3+) trioxalate trihydrate, 13268-42-3

New Jersey Right To Know Components

Triammonium iron(3+) trioxalate trihydrate, 13268-42-3

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other Information

To the best of our knowledge, the information contained herein is accurate. However, CHEMEON Surface Technology, LLC does not 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.