
MATERIAL SAFETY DATA SHEET

SUPPLIER: PRODUITS CHIMIQUES ACP CHEMICALS INC.

DATE OF MSDS: 2016-03-24

NAME OF PRODUCT: Ferric Oxide

EMERGENCY TELEPHONE NO.: (613) 996-6666 (CANUTEC)

1. Product Identification

Synonyms: Iron (III) Oxide; Red Iron Oxide; C.I. 77491; Iron Sesquioxide

CAS No: 1309-37-1

Molecular Weight: 159.69

Chemical Formula: Fe₂O₃

SUPPLIER/MANUFACTURER & PREPARATOR :

Produits Chimiques ACP Chemicals, Inc.

4601 boulevard des Grandes-Prairies

St-Léonard, QC H1R 1A5

514-327-0323

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
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Iron Oxide, Fe ₂ O ₃	1309-37-1	98 - 100%	Yes

3. Hazards Identification

Emergency Overview

CAUTION! MAY CAUSE IRRITATION. MAY BE HARMFUL IF INHALED.

TARGET ORGAN(S): Respiratory system, lungs.

SAFETY DATA Ratings (Provided here for your convenience)

Health Rating: 1 - Slight

Flammability Rating: 0 - None

Reactivity Rating: 1 - Slight

Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES; LAB COAT

Storage Color Code: Orange (General Storage)

Potential Health Effects

Inhalation: Irritation of upper respiratory tract.

Ingestion: None identified.

Skin Contact: Prolonged contact may cause irritation.

Eye Contact: Irritation.

Chronic Exposure: Lung damage.

Aggravation of Pre-existing Conditions: No information found.

4. First Aid Measures

Inhalation: If a person breathes in large amounts, move the exposed person to fresh air.

Ingestion: If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact: In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.

Eye Contact: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

5. Fire Fighting Measures

Fire: Not expected to be a fire hazard.

Explosion: No information found.

Fire Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Information:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

6. Accidental Release Measures

Wear suitable protective clothing. Carefully sweep up and remove.

7. Handling and Storage

Keep container tightly closed. Suitable for any general chemical storage area. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

-OSHA Permissible Exposure Limit (PEL): 10 mg/m³ (TWA)

-ACGIH Threshold Limit Value (TLV): 5 mg/m³ (TWA)

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne

Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to the substance is apparent, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:	Boiling Point:
Red to brown Powder.	No information found.
Odor:	Melting Point:
Odorless.	1565C (2849F)
Solubility:	Vapor Density (Air=1):
Negligible (<0.1%)	Not applicable.
Specific Gravity:	Vapor Pressure (mm Hg):
5.24	Not applicable.
pH:	Evaporation Rate (BuAc=1):
No information found.	No information found.
% Volatiles by volume @ 21C (70F):	0

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: No information found.

Hazardous Polymerization: Will not occur.

Incompatibilities: Hydrazine, calcium hypochlorite, performic acid.

Conditions to Avoid: No information found.

11. Toxicological Information

-----\Cancer Lists\-----			
---NTP Carcinogen---			
Ingredient	Known	Anticipated	IARC Category
Iron Oxide, Fe2O3 (1309-37-1)	No	No	3

12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

-----\Chemical Inventory Status - Part 1\-----
Ingredient TSCA EC Japan Australia

Iron Oxide, Fe₂O₃ (1309-37-1) Yes Yes Yes Yes

-----\Chemical Inventory Status - Part 2\-----
--Canada--
Ingredient Korea DSL NDSL Phil.

Iron Oxide, Fe₂O₃ (1309-37-1) Yes Yes No Yes

-----\Federal, State & International Regulations - Part 1\-----
-SARA 302- -SARA 313-----
Ingredient RQ TPQ List Chemical Catg.

Iron Oxide, Fe₂O₃ (1309-37-1) No No No No

-----\Federal, State & International Regulations - Part 2\-----
-RCRA- -TSCA-
Ingredient CERCLA 261.33 8(d)

Iron Oxide, Fe₂O₃ (1309-37-1) No No No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Pure / Solid)

Australian Hazchem Code: No information found.
Poison Schedule: No information found.

WHMIS: This MSDS has been prepared according to the hazard criteria of
the Controlled Products Regulations (CPR) and the MSDS contains
all of the information required by the CPR.

16. Other Information

Label Hazard Warning:
CAUTION! MAY CAUSE IRRITATION. MAY BE HARMFUL IF INHALED.
TARGET ORGAN(S): Respiratory system, lungs.

Label Precautions:
During use avoid contact with eyes, skin, clothing. Wash thoroughly after
handling. When not in use keep in tightly closed container.

Label First Aid: If a person breathes in large amounts, move the exposed person to fresh
air.

Product Use: Laboratory Reagent.

Revision Information: New 16 section MSDS format, all sections have been revised.

Disclaimer:

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