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|---|--------------------------|--------------------------|---------------|
|  | <b>SAFETY DATA SHEET</b> |                          | Version 07    |
|   | <b>SALCROMO F50</b>      |                          | February 2024 |
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| Elaborated by: Sánchez, G.  | Reviewed by: Sánchez, G. | Approved by: Lucían, H . |               |
| Summary of changes: Periodic revision   |                          |                          |               |

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Commercial Product Name :** SALCROMO F50

**Substance name / Mixture:** Reaction mass of chromium hydroxide sulphate and sodium sulphate.

**EC-Number:** 914-129-3

**REACH Registration Number:** 01-2119458867-19-0003

**1.2 Recommended use:** Leather tanning product

**1.3 Producer / Supplier:** **DIROX S.A.**

**Industrial Plant:** Ruta Nacional Nº 1 Km. 48.500  
C.P. 80.100 Libertad - San José -Uruguay

**Commercial Office:** Tomás Diago 748  
C.P. 11.300 – Montevideo -Uruguay  
Tel: +598 2710 6351 – 2710 4348  
Fax: +598 2711 7516  
e-mail: [sales@dirox.uy](mailto:sales@dirox.uy)

**1.4 Emergency telephone:** +598 4345 4186 Int. 110

## 2. HAZARDS IDENTIFICATION

### 2.1 GHS Classification according to Dec. 307/2009 (Uruguay)

**Signal word: WARNING**

**Pictogram(s):**



**Category**

Acute Toxicity: Category 4

**Hazard statements**

H332: Harmful if inhaled.

### 2.2 Classification according (67/548 and 1999/45) EC

Xn; R20 (Harmful by inhalation)

**Precautionary statements:**


**Prevention:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.

**Response:**

P304 +P340 IF INHALED:Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**3.1 Substance** Reaction mass of chromium hydroxide sulphate and sodium sulphate with alkali-free tanning agent

**Chemical Name:** Basic Chrome (III) Sulphate

**3.2 Hazardous components:**

| Substance  | EC-number<br>CAS-number | Concentration                                  | Classification GHS                          |
|--|-------------------------|--|---|
| Reaction mass of chromium hydroxide sulphate and sodium sulphate | 914-129-3<br>12336-95-7 | 26 %<br>(in % Cr <sub>2</sub> O <sub>3</sub> ) | GHS: Acute Toxicity 4, H332<br>DSD: Xn, R20 |

### 4. FIRST AID MEASURES

**Inhalation:** Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Obtain medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact:** In case of contact, wipe off excess material from skin then immediately flush skin with plenty of water for at least 15 minutes. Wash clothing before reuse. Call a physician, if irritation occurs. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

**Eye contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek advice from an ophthalmologist. Check for and remove any contact lenses.

**Ingestion:** Do not induce vomiting. Obtain immediate medical attention. Keep subject at rest.

### 5. FIREFIGHTING MEASURES

**5.1 Extinguishing media:**


In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.

**5.2 Special hazards arising from the substance or mixture:**

Do not allow run-off from fire fighting to enter drains or water courses.

**5.3 Advice for firefighters:**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures:

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Put on appropriate personal protective equipment. Hazard of slipping on spilt product.

### 6.2 Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods for cleaning up:

Large spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose the collect according to local and regional authority requirements (see sect. 13).

## 7. HANDLING AND STORAGE

### 7.1 Handling:

Avoid creating dust, where possible. Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Wash clothing before reuse. If you feel unwell, seek medical attention and show the label when possible.

### 7.2 Storage:

Store in a cool, dry, well-ventilated area. Store in a tightly closed container away from incompatible substances. Store protected from moisture. Use only original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters:

TLV-TWA: (Cr III) 0,5 mg/m<sup>3</sup> ACGIH (American Conference of Governamental Industrial Hygienists)

### 8.2 Exposure controls


#### 8.2.1 Appropriate engineering controls:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If user operations generate dusts or fumes, use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### 8.2.2 Individual protection measures

##### Respiratory protection:

Dust respirator. Be sure to use an approved/certified respirator or equivalent. Follow the OSHA respirator regulations or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved

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respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Hand protection:**

Gloves: PVC or Neoprene

**Eye/face protection:**

Use chemical safety glasses. Maintain eye wash fountain and quick-drench facilities in work area.

**Skin protection:**

Wear impervious protective clothing, including gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                             |                    |
|-----------------------------|--------------------|
| <b>Appearance:</b>          | Solid (powder)     |
| <b>Colour:</b>              | green              |
| <b>Odour:</b>               | odourless          |
| <b>pH (sol. 1/10):</b>      | 3,5 – 4,0          |
| <b>Apparent density:</b>    | about 1000 kg / m3 |
| <b>Water solubility:</b>    | soluble            |
| <b>Further information:</b> | hygroscopic        |

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under ordinary conditions of use and storage. Stable at room temperature in closed containers under normal storage and handling conditions. Hygroscopic: absorbs moisture or water from the air.

### 10.2 Chemical stability

The product is stable, If handled and stored as recommended. It descomposes at 250 °C

### 10.3 Conditions to avoid

No dangerous reactions are known.

### 10.4 Incompatible materials

Avoid strong bases. Strong oxidizing agents

## 11. TOXICOLOGICAL INFORMATION

|                                       |  |
|---------------------------------------|--|
| <b>11.1 Acute toxicity:</b>           | Cr2O3: LD50 (rat) > 5000 mg/kg   |
| <b>11.2 Irritation and corrosion:</b> | Long term contact with skin may can cause dermatitis.<br>Contact with eyes can produce sharp pain.           |
| <b>11.3 Sensitisation</b>             | no data available  |
| <b>11.4 Carcinogenicity:</b>          | classified by IARC in Group 3 "Compounds whose carcinogenic effect on the human being cannot be classified". |
| <b>11.5 Teratogenicity</b>            | not teratogenic  |
| <b>11.6 STOT-single exposure:</b>     | no data available.   |
| <b>11.7 STOT-repeated exposure:</b>   | no data available  |
| <b>11.8 Aspiration hazard:</b>        | no data available  |

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## 12. ECOLOGICAL INFORMATION

### Toxicity

#### Aquatic toxicity:

Water toxicity (Idus Auratus or gold-fish): the product does not produce dangerous effects up to a concentration of 200 mg/l.

**Toxicity to other organisms:** no data available

### Persistence and degradability

**Biodegradation:** no data available

**Chemical degradation :** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** When released into the soil, this material is not expected to biodegrade. This material is not expected to significantly bioaccumulate.

**Other adverse effects:** no data available

## 13. DISPOSAL CONSIDERATIONS

Examine possibilities for re-utilisation. Product residues and uncleaned empty containers should be packaged, sealed, labelled, and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste List (EWL).

#### Product:

Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container. Discharge into the environment must be avoided.  
Offer surplus and non-recyclable solutions to a licensed disposal company according to regional or national regulations

#### Contaminated packaging:

Dispose of as unused product.  
Do not re-use empty containers.

#### Uncontaminated containers:

Uncontaminated packaging may be taken for recycling

## 14. TRANSPORT INFORMATION

**14.1 UN Number:** Not hazardous in the meaning of transportation.

### 14.2 IMDG


**Description of the goods:** Not hazardous in the meaning of transportation

### IATA

**Description of the goods:** Not hazardous in the meaning of transportation

### ADR / RID

**Description of the goods:** Not hazardous in the meaning of transportation

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## 15. REGULATORY INFORMATION

This SDS has been prepared according to **Dec. 307/2009 - Uruguay (GHS)** and the EC regulation:

- **REACH** - according to Regulation (EC) No. 1907/2006
- **CLP** - REGULATION (EC) No 1272/2008
- **DSD** - Classification and labelling according to Directive 67/548/EEC

## 16. OTHER INFORMATION

### 16.1 Key or legend to abbreviations and acronyms

**REACH:** Registration, Evaluation, Authorisation and Restriction of Chemical substances

**GHS:** Globally Harmonized System of classification and labelling of chemicals (United Nations)

**CLP:** Regulation on Classification, Labelling and Packaging of Substances and Mixtures

### 16.2 Contact a poison control centre. List of Telephone Number:

AUSTRIA (Vienna Wien) +43 1 40 400 2222; BELGIUM (Brussels) +32 70 245 245; BULGARIA (Sofia) + 359 2 9154 409; CZECH REPUBLIC (Prague) +42 2 2491 9293; DENMARK (Copenhagen) +45 35 31 54 04; FINLAND (Helsinki ) +358 9 471 977; FRANCE (Paris) +33 1 40 05 48 48; GERMANY (Berlin) +49 30 450 653565; GREECE (Athens) +30 10 779 3777; HUNGARY (Budapest) +36 80 20 11 99; ICELAND (Reykjavik) +354 543 2222; IRELAND (Dublin) +353 1 8379964; ITALY (Rome) +39 06 305 4343; LITHUANIA (Vilnius) +370 2 36 20 52, +370 2 36 2092; NETHERLANDS (Bilthoven) +31 30 274 88 88; NORWAY (Oslo) +47 22 591300; POLAND (Gdansk) +48 58301 65 16 or +48 58 349 2831; PORTUGAL (Lisbon Lisboa ) 808 250 143 (for use only in Portugal), +351 21 330 3284; ROMANIA (Bucharest) +40 21 230 8000; SLOVENIA (Ljubljana) + 386 41 650 500; SPAIN (Barcelona) +34 93 227 98 33 or +34 93 227 54 00 bleep 190; SWEDEN (Stockholm) +46 8 33 12 31 (International) 112 (National); UNITED KINGDOM (London) 0870 243 2241.

### 16.3 The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated.