



GRUPPO SNIA

Printing date 11.11.2004

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MATERIAL SAFETY DATA SHEET

Reviewed on 11.11.2004

* 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

· Product details

- **Trade name:** CLOPARTEN Z - CLOPARTEN Z PLUS- CLOPARTEN 10-15 - CLOPARTEN Z 10 S - CLOPARTEN 228 - CLOPARTEN 330 - CLOPARTEN 3-10 - CLOPARTEN 14-20 - CLOPARTEN 630
- **Chemical name:** PARAFFIN WAXES SULFOCHLORINATED
- **Application of the substance/preparation:** Intermediate in leather processing.
- **Manufacturer/Supplier:**
Name: Caffaro S.r.l. - Divisione Soda Cloro e Clorurazioni
Address: 33050 Torviscosa (UD) - P.le Marinotti, 1
Telephone: +39 0431-381.1
- **Information in case of emergency:**
Emergency phone : +39 030 3192.1 - Servizio emergenza trasporti.
Punto di contatto aziendale SET - Caffaro S.r.l.
- **Legenda:**
(*) = Updated in the last revision.
N.D. = Not determined
N.A. = Not applicable
[] = Bibliografic reference

2 COMPOSITION/INFORMATION ON INGREDIENTS

· Chemical characterization:

- **CAS No. Description**
68188-19-2 PARAFFIN WAXES SULFOCHLORINATED
- **Chemical formula:** $C_nH_{(2n+2-x-y)}Cl_x(SO_2Cl)_y$, n= 14-20
- **Molecular weight:** Not applicable
- **Structural formula:** Not applicable
- **Identification number(s)**
 - **EINECS Number:** 269-145-7
- **Additional information:** (see sections 3 and 15)

3 HAZARDS IDENTIFICATION

· Hazard description:

Xi Irritant

· Information concerning particular hazards for human and environment:

Avoid release to the environment.

R 36/37/38 Irritating to eyes, respiratory system and skin.

· Additional information: (see sections 4 and 11).

4 FIRST-AID MEASURES

· General information:

Never give anything orally if the victim is unconscious and do not give any kind of antidotes unless expressly prescribed.

· After inhalation:

Take the affected person away from contaminated area and to fresh air. Keep warm and at rest. If symptoms persist seek medical advice.

· **Symptoms of exposure:** Degradation products, SO₂ and HCl, are very irritating.· **Long term effects:** No data available

· After skin contact: Immediately wash with plenty of water and neutral soap.

· **Symptoms of exposure:** Irritation.

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- **Long term effects:** No data available.
- **After eye contact:**
Wash for several minutes under running water or with a 5% sodium bicarbonate solution keeping opened eyes. Seek medical advice.
 - **Symptoms of exposure:** Irritation.
 - **Long term effects:** No data available.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
 - **Symptoms of exposure:** Oral mucosae irritation.
 - **Long term effects:** No data available.

5 FIRE FIGHTING MEASURES

- **Suitable extinguishing agents:**
In case of fire use water spray, powder or CO₂.
Water spray may be used to keep fire-exposed containers cool.
Use fire preventing methods in the surrounding areas.
- **For safety reasons unsuitable extinguishing agents:** N.A.
- **Special hazards caused by the substance, its combustion products or resulting gases:**
In case of fire, the following can be released:
CO_x, acridic and irritating gases.
Sulphur dioxide (SO₂)
Hydrogen chloride (HCl).
- **Protective equipment:** Self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:**
Stop the spill using proper personal protective equipment. Avoid contact with the eyes and skin.
Circumscribe the concerned area.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**
Ensure adequate ventilation.
Pump spilled product in suitably labelled containers. Adsorb the remainder with earth, sand or other inert material and collect in suitable containers for later disposal to an authorized site.

7 HANDLING AND STORAGE

- **Handling:**
 - **Information for safe handling:**
Avoid contact with skin, eyes, mucosae and clothing.
Remove contaminated clothing and wash before reuse.
Avoid inhalation of vapours and/or aerosol.
Use proper personal protective equipment as indicated in section 8.
Ensure good ventilation at the workplace.
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:**
Store in a well aerated or ventilated location.
Keep in well closed containers and/or tanks with a vent connected to a scrubber.
Suitable materials: glass, polyethylene or, for big containers, fiberglass reinforced polyester.
 - **Information about storage in one common storage facility:** Not required.

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* 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

· Ingredients with limit values that require monitoring at the workplace:	
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OEL	Short-term value: N.D. Long-term value: N.D.
7647-01-0 hydrogen chloride	
OES	Short-term value: 8 mg/m ³ , 5 ppm Long-term value: 2 mg/m ³ , 1 ppm gas and aerosol mists; ILV
7446-09-5 sulphur dioxide	
OEL	Short-term value: N.A. Long-term value: N.A.

· **Personal protective equipment:**

Use appropriate personal protective equipment according to possible exposition and work conditions.

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove contaminated clothing.
- Avoid contact with the eyes and the skin.
- Do not eat, drink or smoke while working.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory mask. In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

E Filter(acidic vapours).

· **Protection of hands:**

Wear protective gloves.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves** Rubber gloves

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Tightly sealed goggles

· **Body protection:** Wear appropriate protective clothing.

· **Limitation and supervision of exposure into the environment**

Room ventilation and/or Localized Exhaust Ventilation (LEV) systems.

9 PHYSICAL AND CHEMICAL PROPERTIES

· **General Information**

- **Form:** Liquid
- **Colour:** Colourless to brown.
- **Odour:** Pungent

· **Change in condition**

- **Melting point/Melting range:** Decomposes.
- **Boiling point/Boiling range:** N.D.
- **Fusion temperature / range:** -35 - 0°C (a seconda del tipo)

· **Flash point:** Not determined

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- **Self-igniting:** Not applicable
- **Danger of explosion:** Not determined
- **Explosion limits:**
 - **Lower:** N.D.
 - **Upper:** N.D.
- **Vapour pressure:** N.D.
- **Density at 25°C:** 1.03 - 1.20 g/cm³
According to type.
 - **Vapour density** Not determined
- **Solubility in / Miscibility with**
 - **water:** Insoluble.
 - **organic solvents:** Aromatic, aliphatic and chlorinated Hydrocarbons, ketones, esters.
- **pH-value:** Not determined
- **Octanol/water partition coefficient: Log P:** N.D.
- **Viscosity:**
 - **Dynamic:** Variable according to type.
- **Additional information:** Chlorine content: 10-32%, sulfur content: 1,5-14%.

10 STABILITY AND REACTIVITY

- **Thermal decomposition / conditions to be avoided:**
The product is stable at ambient temperature under normal storing and usage conditions.
The product slowly hydrolyzes in the presence of water.
- **Materials to be avoided:** Water, light, heat.
- **Hazardous reactions** No dangerous reactions known.
- **Hazardous decomposition products:**
Hydrogen chloride (HCl)
Sulphur dioxide

11 TOXICOLOGICAL INFORMATION

- **Acute toxicity:**
 - **LD/LC50 values relevant for classification:** Not determined
 - **Primary irritant effect:**
 - **on the skin:** Irritant.
 - **on the eye:** Irritating effect.
 - **on the respiratory system:** Degradation products, SO₂ and HCl, are very irritating.
 - **Sensitization:** Not determined
- **Subacute to chronic toxicity:** No observed adverse effect level (NOAEL) = N.D.

12 ECOLOGICAL INFORMATION

- **Ecotoxicological effects:**
 - **Acquatic toxicity:** Not determined
 - **Behaviour in sewage processing plants:**
 - **Type of test, effective concentration, assessment method:** N.D.
 - **Remark:** Sewage Activated Sludge : N.D.
- **Additional ecological information:**
Use in compliance with good laboratory practices (GLPs) and do not scatter the product in water or soil.

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13 DISPOSAL CONSIDERATIONS

- **Product:**

Recycle, if possible. Responsibility also of the receiver to have knowledge of national and local regulations.

- **Recommendation** Combustion in an incinerator for chemical waste.

- **Uncleaned packaging:**

- **Recommendation:**

Do not throw empty containers in water or soil.
Send to authorized disposal plants.

14 TRANSPORT INFORMATION

The substance is considered as NOT dangerous substance according to transport regulations.

- **Land transport ADR/RID (cross-border)**

- **ADR/RID class:** Not applicable

- **Maritime transport IMDG:**

- **IMDG Class:** Not applicable

- **Air transport IATA-DGR:**

- **IATA Class:** Not applicable

15 REGULATORY INFORMATION

- **Labelling according to EU guidelines:**

Hazardous substances labelling: the substance is not classified as dangerous substance according to EU lists.

- **Code letter and hazard designation of product:**

Xi Irritant

- **Risk phrases:**

36/37/38 Irritating to eyes, respiratory system and skin.

- **Safety phrases:**

24/25 Avoid contact with skin and eyes.

38 In case of insufficient ventilation, wear suitable respiratory equipment.

* 16 OTHER INFORMATION

- **Recommended restriction of use**

DISCLAIMER

This document is intended only as a guide to appropriate precautionary handling of this product by a trained person, or supervised by a trained in chemical handling. Caffaro cannot warn of all potential dangers of use or interaction with other chemicals or materials. It is the user's responsibility for the product's safe use, the product's suitability for the intended use and the product's safe disposal.

No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.

- **Regulatory references**

The present SAFETY DATA SHEET has been issued in accordance with the following legislations:

- Directive 92/32/EC
- Directive 2001/58/EC
- Directive 2001/59/EC (XXVIIIth ATP to Directive 67/548/EC).

