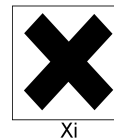


Safety Data Sheet

F 45 REDUCER 25 L



Xi

Safety Data Sheet dated 9/6/2009, version 4

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

Trade name: F 45 REDUCER 25 L

Trade code: IF45C*

Product type and use: VARNISH THINNER

Company:

ELANTAS Deatech Srl - Zona Industriale Campolungo, 35 - 63100 Ascoli Piceno - ITALY

Tel. +39 0736 3081 - Fax +39 0736 402746

Emergency telephone number of the company and/or of an authorised advisory centre:

ELANTAS Deatech Srl - tel. +39 0736 3081 - fax +39 0736 402746

Competent person responsible for the safety data sheet:

MSDS.ELANTAS.Deatech@altana.com

2. HAZARDS IDENTIFICATION

If brought into contact with the eyes, the product causes considerable irritation which can last for over 24 hours.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: F 45 REDUCER 25 L

90% - 100% 4-hydroxy-4-methylpentan-2-one

N.67/548/CEE: 603-016-00-1 CAS: 123-42-2 EC: 204-626-7

Xi; R36

4. FIRST AID MEASURES

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:

Wash immediately with water for at least 10 minutes.

Swallowing:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

5. FIRE-FIGHTING MEASURES

IF45C*/4

Page n. 1 of 5

Safety Data Sheet

F 45 REDUCER 25 L

Recommended extinguishing agents:

Spray Water, CO₂, Foam, Chemical powders, according to the materials involved in the fire.

Extinguishing agents not to be used:

Water jet - risk of propagation of the flame

Risks arising from combustion:

During combustion the preparation may release carbon dioxide, carbon monoxide, nitrogen oxides and black, dense smoke.

Avoid inhaling the fumes.

Protective equipment for fire-fighting personnel:

Personal protection typical in case of fire. Wear suitable respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use gloves and protective clothing.

Keep other people out. Avoid contact with skin and eyes. Do not breathe vapours. Keep the proper ventilation. See section 8.

Environmental measures:

Do not allow the product to contaminate surface, water/ground water. Limit leakages with earth or sand.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

If the product is in a liquid form, stop it from entering the drainage system.

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

After the product has been recovered, rinse the area and materials involved with water.

7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.

Takes precautionary measures against static discharges - ground connect all equipment.

Wear antistatic protective clothes.

Do not eat or drink while working.

Incompatible materials:

None in particular.

Storage conditions:

Instructions as regards storage premises:

Adequately ventilated premises.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Use the product in accordance with good occupational hygiene and safety practices.

Before break and after work carefully wash hands. Take off dirty cloth immediately. Avoid contact with skin and eyes. When handling do not eat, drink or smoke, take a medicine.

Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Safety Data Sheet

F 45 REDUCER 25 L

Not needed for normal use.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., viton or nitrile rubber.

Eye protection:

Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).

Protection for skin:

No special precaution must be adopted for normal use.

Components with Occupational Exposure Limit(s), that require monitoring at the workplace (ACGIH):

4-hydroxy-4-methylpentan-2-one

TLV TWA: 50 ppm - 237,55 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Colourless liquid
Odour:	Typical
pH:	N.A.
Melting point:	N.A.
Boiling point:	169-171 °C
Flash point:	58 °C
Solid/gas flammability:	N.A.
Autoignition temperature:	640 °C
Explosive properties:	LEL 1,8% - UEL 6,9%
Oxidizing properties:	NO
Vapour pressure:	N.A.
Relative density:	930 g/l @ 20°C
Solubility in water:	MISCIBLE
Lipid solubility:	N.A.
Partition c. (n-octanol/H ₂ O):	N.A.
Vapour density (air= 1):	>1

10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions. Avoid high temperature.

Substances to avoid:

None in particular.

Hazardous decomposition products:

None.

See also Section 5

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), nitrides and powerful reducing agents.

It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

11. TOXICOLOGICAL INFORMATION

The product does not contain toxicologically relevant substances.

Safety Data Sheet

F 45 REDUCER 25 L

12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

13. DISPOSAL CONSIDERATIONS

Recover if possible. In so doing, comply with the local and national regulations currently in force.

Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Council Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparations) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

Symbols:

✖ Xi Irritant

R Phrases:

R36 Irritating to eyes.

S Phrases:

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

Contents:

4-hydroxy-4-methylpentan-2-one

Special Provisions:

EC label.

Where applicable, refer to the following regulatory provisions :

Directive 96/82/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

The product fulfils the Directive 2002/95/EC (RoHS)

The product does not contain by recipe polycyclic aromatic hydrocarbons (PAH)

Raw materials of the product are pre-registered according to the Regulation (EC) No 1907/2006 (REACH)

The product does not contain by recipe substances listed in Art. 57 / Annex XIV of the Regulation (EC) No 1907/2006, from 9th of Oct. 2008 (SVHC)

Safety Data Sheet

F 45 REDUCER 25 L

16. OTHER INFORMATION

Text of R phrases referred to under heading 3:
R36 Irritating to eyes.

Paragraphs modified from the previous revision:

15. REGULATORY INFORMATION

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

ACGIH - Threshold Limit Values - 2004 edition

ADR 2009

The information contained herein is based on our state of knowledge at the above-specified date.
It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect
to the specific use intended.

This MSDS cancels and replaces any preceding release.
