
Safety Data Sheet dated 13/3/2006, version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Trade name: RETARDANT THINNER
Trade code: D1024
Product type and use: Thinner
Company:
INDUSTRIA CHIMICA ADRIATICA S.p.a. Z. Ind. A - v. S. Pertini, 52 62012 Civitanova
Marche (MC) ITALY
Emergency telephone number of the company and/or of an authorised advisory centre:
ICA Spa - Tel. + (39) 733 8080 Fax. + (39) 733 808140

2. COMPOSITION/INFORMATION ON COMPONENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:
None.

95% - 100% Ethoxy propil acetate
N.67/548/CEE: 603-177-00-8 CAS: 54839-24-6 EINECS: 259-370-9
R10 R67

Please consul chapter 16 of this SDS for full text of mentioned Risk-phrases.

3. HAZARD IDENTIFICATION

The product is a liquid that can catch fire at temperatures in excess of 21 °C if exposed to an ignition source.
Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

Contact with skin:
Wash with plenty of water and soap.
Contact with eyes:
Wash immediately with water for at least 10 minutes, holding the eye open.
Obtain medical attention if soreness or redness persists.
Swallowing:
Do not induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.
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

Recommended extinguishers:
CO2 or Dry chemical fire extinguishe.
Extinguishers not available:
Water jet.
Risks arising from combustion:
Avoid inhaling the fumes.
Protective equipment:
Use protection for the respiratory tract.
Cool the containers exposed to the fire with water.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:
Use gloves and protective clothing.
Environmental measures:
Limit leakages with earth or sand.
Eliminate all unguarded flames and possible sources of ignition. Do not smoke.
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.

Do not eat or drink while working.

Do not smoke while working.

Incompatible materials:

None in particular. See, too, paragraph 10 below.

Storage conditions:

Always keep the containers tightly closed.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Product may accumulate electrostatic charges. Earth the containers electrically.

Instructions as regards storage premises:

Cool and adequately ventilated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:

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

Respiratory protection:

Not needed for normal use.

Protection for hands:

Use protective gloves that provides comprehensive protection.

Eye protection:

Use close fitting safety goggles and/or visor.

Protection for skin:

No special precaution must be adopted for normal use.

Exposure limit(s) (ACGIH):

None.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Liquid colourless
Odour:	Characteristic
Melting point:	- 89 °C
Boiling point:	159 °C
Flash point:	54 °C
Vapour pressure:	0.227 kPa a 20°C
Relative density:	0.9 - 1.0 kg/l
Solubility in water:	Partially Soluble
Vapour density:	> 1

10. STABILITY AND REACTIVITY

Conditions to avoid:

Avoid accumulating electrostatic charge.

Substances to avoid:

Strong acids. Strong bases. Strong oxidising agents.

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products:

Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation.

Ethoxy propil acetate

Low order of acute toxicity. Oral LD50 (rat): 4755 mg/kg. Inhalation LC50 (rat): > 6.99 mg/l/4h. The degree

of irritation was insufficient to warrant labelling as an eye irritant and a skin irritant.

12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.
Prevent product entering water courses, sewers and prevent penetration of the product into the earth.
Products is not expected to bioaccumulate.
The product is expected to be non-hazardous to aquatic species.
The product is readily biodegradable.

13. DISPOSAL

Recover if possible. In so doing, comply with the local and national regulations currently in force.
Empty the container carefully.
Do not cut, puncture or weld on or near to the container.

14. TRANSPORT INFORMATION

ADR-UN Number:	3272
ADR/RID Class:	3
ADR-Superior Number:	30
ADR-Shipping Name:	Esters, n.o.s. (ethoxypropyl acetate)
ADR-Label:	3
ADR-Packing Group:	III
IATA-UN Number:	3272
IATA-Class:	3
IATA-Packing group:	III
Marine pollutant:	No
IMDG-UN Number:	3272
IMDG-Class:	3
IMDG-Technical name:	Esters, n.o.s. (ethoxypropyl acetate)
IMDG-Packing group:	III

15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/CE (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 2001/58/CE (Safety data sheets). Commission Directive 98/24/CE (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/CE (Occupational exposure limit values):

R Phrases:

R10 Flammable.
R67 Vapours may cause drowsiness and dizziness.

S Phrases:

S2 Keep out of reach of children.
S24 Avoid contact with skin.

Contents:

Ethoxy propil acetate

Information pursuant to VOC Directive 1999/13/EC

Volatile organic solvents: 95% - 100%
VOC: 95% - 100%

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

16. OTHER INFORMATION

Text of mentioned Risk-phrases.

R10 Flammable.
R67 Vapours may cause drowsiness and dizziness.

Main bibliographic sources:

Safety Data Sheet
RETARDANT THINNER

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

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.
