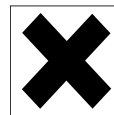


Safety Data Sheet

D09 DILUENTE UNIVERSALE RAPIDO



Safety Data Sheet dated 15/9/2006, version 2

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name: D09 DILUENTE UNIVERSALE RAPIDO
Trade code: D09
Product type and use: Thinner
Company:
Ind. Chimica Reggiana spa Via Gasparini, 7 42100 Reggio Emilia ITALY Tel. +39
0522-517803 Fax +39 0522-514384

Emergency telephone number of the company and/or of an authorised advisory centre:
Industria Chimica Reggiana - Tel. +39-0522-514803

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

40% - 50% n-butyl acetate

N.67/548/CEE: 607-025-00-1 CAS: 123-86-4 EINECS: 204-658-1
R10 R66 R67

30% - 40% ethyl acetate

N.67/548/CEE: 607-022-00-5 CAS: 141-78-6 EINECS: 205-500-4
F Xi R11 R36 R66 R67

10% - 12.5% butanone

N.67/548/CEE: 606-002-00-3 CAS: 78-93-3 EINECS: 201-159-0
F Xi R11 R36 R66 R67

10% - 12.5% toluene

N.67/548/CEE: 601-021-00-3 CAS: 108-88-3 EINECS: 203-625-9
F Xn R11 R38 R48/20 R63 R65 R67

3. HAZARDS IDENTIFICATION

The product easily catches fire if it is exposed to an ignition source.

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

This product is harmful: serious harm (functional disorders or significant morphological changes that are toxicology-related) may be caused by repeated or prolonged exposure to the product by inhalation.

This product is harmful - it is suspected that it can be injurious to the foetus.

The product is harmful: may cause lung damage if swallowed.

Repeated exposure to the product may cause skin dryness or cracking.

Vapours of the product may cause drowsiness and dizziness.

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 and thoroughly with running water, keeping eyelids raised, for at least



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<p>10 minutes. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief. OBTAIN A MEDICAL EXAMINATION.</p> <p>Swallowing: Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY. Give liquid paraffin to drink; do not give milk or animal or vegetable fats of any kind.</p> <p>Inhalation: Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. OBTAIN MEDICAL ATTENTION.</p>
<p>5. FIRE-FIGHTING MEASURES</p> <p>Recommended extinguishers: CO2 or Dry chemical fire extinguisher.</p> <p>Extinguishers not to be used: None in particular.</p> <p>Risks arising from combustion: Avoid inhaling the fumes.</p> <p>Protective equipment: Use protection for the respiratory tract. Cool the containers exposed to the fire with water.</p>
<p>6. ACCIDENTAL RELEASE MEASURES</p> <p>Measures for personal safety: Use gloves and protective clothing.</p> <p>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.</p> <p>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.</p>
<p>7. HANDLING AND STORAGE</p> <p>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.</p> <p>Incompatible materials: None in particular.</p> <p>Storage conditions: Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.</p> <p>Instructions as regards storage premises: Cool and adequately ventilated.</p>
<p>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</p> <p>Precautionary measures: Give adequate ventilation to the premises where the product is stored and/or handled.</p> <p>Respiratory protection: Use respiratory protection where ventilation is insufficient or exposure is prolonged, e.g. CEN/FFP-2(S) or CEN/FFP-3(S). Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).</p> <p>Protection for hands: Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or</p>

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rubber.
Eye protection:
Not needed for normal use.
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Exposure limit(s) (ACGIH):

Name	TLV - TWA	TLV - STEL
n-butyl acetate	100 ppm	150 ppm
ethyl acetate	200-300 ppm	300-350 ppm
butanone	200 ppm	300 ppm
toluene	100 ppm	150 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: Transparent flowing compound
Odour: Typical of solvent
Flash point: 2°C.
Relative density: 0.86
Solubility in water: Insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid:
Stable under normal conditions.
Substances to avoid:
Avoid contact with combustible materials. The product could catch fire.
Hazardous decomposition products:
None.

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.
n-butyl acetate

OBSERVATIONS ON HUMAN SUBJECTS:

Inhalation: 3300 ppm (16 mg/l), for short periods, cause serious irritation to the eyes and to the nose.

Inhalation: 200-300 ppm (1-1.4 mg/l), for short periods, cause moderate irritation to the eyes and to the nose.

Inhaling the vapours can irritate the respiratory system.

The vapours can cause headache and nausea. As a liquid it can irritate the eyes and cause conjunctivitis, it can irritate the skin and cause dermatitis and, if swallowed, causes inebriation, hallucinations and sedation.

Symptoms of illness at 500 ppm. Serious toxic effects at 2,000 ppm for 60 min.

TCLo: 200 ppm

ethyl acetate

Toxicological Information

OBSERVATIONS IN MAN:

400 ppm: irritating for the eyes.

Serious toxic effects at 2000 ppm/60 min, symptoms of discomfort at 800 ppm.

Power to irritate the eyes: liquid and vapour cause irritation and temporary damage to the cornea.

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Power to irritate the skin: repeated contact with the substance can cause irritation, delipidation with consequent dermatitis, eczema and sensitizing.
Swallowing: Inhalation while swallowing can cause serious lesions to the lungs. It may also cause nausea, vomiting, vertigo, cephalgia and depression. Massive doses can also cause coma and death.
Inhalation: exposure to the vapour irritates the first airways. It can also lead to irritation of the lungs:
Other effects: anemia, tracheitis, damage to the liver.
Carcinogenicity: the substance is not classified as being carcinogenic.
Toxic effects on reproduction/development: non-toxic.

butanone

Toxicological Information

Ways of penetrating: inhalation, through the skin, by digestion.
Toxic effects on organs and apparatus:
Skin: irritation, eczema, delipidation.
Eyes: irritation, keratitis, optic neuritis.
Lungs and the first airways: irritation.
Central nervous system: narcosis, depression.
Digestive apparatus: irritation of the mucous membranes and vomiting.
Other effects: cephalgia, vertigo, sluggishness and paralysis of the limbs at high concentrations; damage to the liver.
Effects on reproduction: causes light fetotoxicity in rats.
Effects on man have not been observed following compliance with the exposure limit values established by ACGIH.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

The waste of non-polymerized material must be considered as "Toxic and Harmful" waste, because the presence of organic solvents is higher than what allowed by European laws. The empty containers must be considered special waste materials (Art. 5 D.P.R. 915/82) to take to dump of type 2B. If previously cleansed, they can be admitted in first class dumps. Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

Limited quantities, not liable to ADR norms for internal packages of up to 5L and a maximum 30 kg per pack.

UN number:	1263
Packing Group:	II°
Shipping Name:	Paint
Transport category :	2
ADRRID-Class:	3
Classification code :	F1
Label:	3
IMDG-Class:	3
IMDG-Label:	3
IMDG-EMS:	F-E, S-E

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15. REGULATORY INFORMATION

88/379/EEC (Classification and Labelling):

Symbols:

Xn Harmful

F Highly flammable

R Phrases:

R11 Highly flammable.

R63 Possible risk of harm to the unborn child

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R36 Irritating to eyes.

S Phrases:

S23 Do not breathe vapour / spray

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S51 Use only in well-ventilated areas.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contents:

toluene

Where applicable, refer to the following regulatory provisions :

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

Volatile Organic compounds - VOCs = 1000.00 g/Kg

Volatile CMR substances = 0.00 g/Kg

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 g/Kg

Organic Carbon - C = 0.63

1999/13/EC (VOC directive)

16. OTHER INFORMATION

Text of R phrases referred to under heading 2:

R10 Flammable.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

R11 Highly flammable.

R36 Irritating to eyes.

R38 Irritating to skin.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63 Possible risk of harm to the unborn child

R65 Harmful: may cause lung damage if swallowed.

Paragraphs modified from the previous revision:

2. COMPOSITION/INFORMATION ON INGREDIENTS

3. HAZARDS IDENTIFICATION

4. FIRST AID MEASURES

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- 8. EXPOSURE CONTROLS / PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER 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 - Treshold Limit Values - 1997 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.