

Safety Data Sheet

UNIFILLER 2K HS PLUS

Safety Data Sheet dated 31/3/2008, version 1

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name: UNIFILLER 2K HS PLUS

Trade code: FAF30

Product type and use: Two-component primer-surfacer

Company:

Ind. Chimica Reggiana spa Via Gasparini, 7 42100 REGGIO EMILIA Italia Tel. +39
0522517803 Fax +39 0522514384

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

Centro Antiveleni - Policlinico Umberto I, Roma - Tel. 06-49978000

Competent person responsible for the safety data sheet: sdspg@icrsprint.it

2. HAZARDS IDENTIFICATION

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

10% - 12.5% n-butyl acetate

N.67/548/CEE: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1

R10-66-67; substance with a Community workplace exposure limit

10% - 12.5% xylene, mixture of isomers (flashpoint $\geq 21^{\circ}\text{C}$)

N.67/548/CEE: 601-022-01-6 CAS: 1330-20-7 EC: 215-535-7

Xn,Xi; R10-20/21-38

1% - 3% 2-methoxy-1-methylethyl acetate

N.67/548/CEE: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9

Xi; R10-36

0.5% - 1% solvent naphtha (petroleum), light aromatic

N.67/548/CEE: 649-356-00-4 CAS: 64742-95-6 EC: 265-199-0

Xn,Xi,N; R10-37-51-53-65

268 mg/kg ethylbenzene

N.67/548/CEE: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4

F,Xn; R11-20

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.

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

Recommended extinguishers:

CO₂ or Dry chemical fire extinguisher.

Extinguishers not to be used:

FAF30/1

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None in particular.
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.

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.
Storage conditions:
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
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:
Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).
Not needed for normal use.
Protection for hands:
Not needed for normal use.
Eye protection:
Not needed for normal use.
Protection for skin:
No special precaution must be adopted for normal use.
Exposure limit(s) (ACGIH):

Name	TLV - TWA	TLV - STEL
n-butyl acetate	100 ppm	150 ppm
xylene, mixture of isomers (flashpoint $\geq 21^{\circ}\text{C}$)	100 ppm	150 ppm
2-methoxy-1-methylethyl acetate	100 ppm, 369mg/m ³	150ppm, 553mg/m ³
ethylbenzene	100 ppm	125 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: Flowing paste grey color
Odour: Typical of solvent
Flash point: $21^{\circ}\text{C} \leq \text{fp} < 55^{\circ}\text{C}$
Relative density: $1.6 \pm 0,1 \text{ g/cm}^3$
Solubility in water: Insoluble

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10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

None in particular.

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

Hazardous decomposition products:

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

xylene, mixture of isomers (flashpoint $\geq 21^{\circ}\text{C}$)

OBSERVATIONS ON HUMAN SUBJECTS NON-PROFESSIONAL EXPOSURE - Effects following acute exposure:

Symptoms of intense exposure are: dermatitis, eczema, irritation to the eyes and to the respiratory tract.

Inhaling the vapours can cause dizziness, headache, nausea, incoordination, excitability, narcosis, anaemia, and paraesthesia of the hands and feet.

PROFESSIONAL EXPOSURE - Effects following acute exposure:

Narcotic at high concentrations.

Irritation through inhalation at 200 ppm (TCLo). Inhalation of 200 ppm has irritating effects in human subjects.

Human subject (oral)(LDLo): 50 mg/kg.

Inhalatory human subject (LCLo) 10000 ppm/6h.

12. ECOLOGICAL INFORMATION

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

List of substances dangerous for the environment and corresponding classification:

0.5% - 1% solvent naphtha (petroleum), light aromatic

N.67/548/CEE: 649-356-00-4 CAS: 64742-95-6 EC: 265-199-0

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

14. TRANSPORT INFORMATION

ADR-UN number: 1263

Shipping name: Paints

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ADR Packing Group:	III
ADR Classification Code:	F1
Limited quantities, not subject to ADR norms:- Combined packaging: for internal packaging of up to 5 liters and packs of up to 45 liters- Internal packaging on trays and with heat-shrink wrapping or stretched wrapping: for internal packaging of up to 5 liters and packs of up to 20 kg	
IMDG-Class:	3.3
IMDG-Un number:	1263
Shipping name:	Paints
IMDG-Label:	3
IMDG-Packing group:	III
IMDG-EMS:	F-E, S-E
IMDG-MFAG:	310

15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) 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).

R Phrases:

R10 Flammable.

S Phrases:

S23 Do not breathe spray

S51 Use only in well-ventilated areas.

Volatile Organic compounds - VOCs = 411.25 g/l

Volatile CMR substances = 0.00 g/Kg

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

Organic Carbon - C = 0.19

Where applicable, refer to the following regulatory provisions :

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

1999/13/EC (VOC directive)

16. OTHER INFORMATION

Text of R phrases referred to under heading 3:

R10 Flammable.

R11 Highly flammable.

R20 Harmful by inhalation.

R20/21 Harmful by inhalation and in contact with skin.

R36 Irritating to eyes.

R37 Irritating to respiratory system.

R38 Irritating to skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

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

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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.