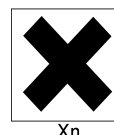


# Safety Data Sheet

## FILLER-HARD SPRAY



Safety Data Sheet dated 22/5/2008, version 1

### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name: FILLER-HARD SPRAY

Trade code: CP018

Product type and use: Catalyst for polyester resins and fillers

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

If brought into contact with the skin, the product causes appreciable inflammation, with erythema, scabs, and oedema.

If brought into contact with the eyes, the product causes serious eye injury, such as opacity of the cornea or lesions to the iris.

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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

60% - 70% ethyl acetate

N.67/548/CEE: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4

F,Xi; R11-36-66-67

20% - 25% 4-hydroxy-4-methylpentan-2-one

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

Xi; R36

7% - 10% Cyclohexanone, peroxide [4]

N.67/548/CEE: 617-010-00-1 CAS: 12262-58-7 EC: 235-527-7

E,Xn,C; R2-22-34

### 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 10 minutes. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief.

OBTAIN A MEDICAL EXAMINATION.

Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

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.

Inhalation:



# Safety Data Sheet

## FILLER-HARD SPRAY

Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. OBTAIN MEDICAL ATTENTION.

### 5. FIRE-FIGHTING MEASURES

Recommended extinguishers:  
CO2 or Dry chemical fire extinguisher.

Extinguishers not to be used:  
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 a mask, 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:  
Rapidly recover the product. To do so, wear a mask and protective clothing.  
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 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).

Protection for hands:  
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

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

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
ethyl acetate	200-300 ppm	300-350 ppm
4-hydroxy-4-methylpentan-2-one	50 ppm	

# Safety Data Sheet

## FILLER-HARD SPRAY

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b> Appearance and colour: Colourless flowing compound Odour: Typical Boiling point: 77 °C Flash point: 0°C ≤ fp < 21°C Solid/gas flammability: - 5 °C Solubility in water: Insoluble
<b>10. STABILITY AND REACTIVITY</b> Conditions to avoid: Stable under normal conditions. Substances to avoid: Avoid contact with combustible materials. The product could catch fire. Hazardous decomposition products: It may generate flammable gases on contact with nitriles. It may generate toxic gases on contact with aliphatic and aromatic amines, carbamates, dithiocarbamates, mercaptans and other organic sulphides, nitriles, inorganic sulphides, and combustible and inflammable materials. It may catch fire on contact with alcohols and glycols, azo, diazo and hydrazines compounds, carbamates, dithiocarbamates, mercaptans and other organic sulphides, nitriles, and combustible and inflammable materials.
<b>11. TOXICOLOGICAL INFORMATION</b> 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. ethyl acetate OBSERVATIONS ON HUMAN SUBJECTS: 400 ppm: eye irritant. Serious toxic effects at 2,000 ppm/60 mins, symptoms of malaise at 800 ppm. Inhalatory toxicity: TCLo 400 ppm, irritation to nose, eyes, and respiratory system.
<b>12. ECOLOGICAL INFORMATION</b> Adopt good working practices, so that the product is not released into the environment.
<b>13. DISPOSAL CONSIDERATIONS</b> 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.
<b>14. TRANSPORT INFORMATION</b> ADR-UN number: 1263 Shipping name: Paints ADR Packing Group: II 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 20 liters- Internal packaging on trays with heat-shrink wrapping or stretched wrapping: for internal packaging of up to 1 liter and packs of up to 20 liter 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: 3.2 IMDG-Un number: 1263

# Safety Data Sheet

## FILLER-HARD SPRAY

Shipping name:	Paints
IMDG-Label:	3
IMDG-Packing group:	II
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).

Symbols:

Xn Harmful  
F Highly flammable

R Phrases:

R11 Highly flammable.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
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.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

S Phrases:

S23 Do not breathe spray  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S51 Use only in well-ventilated areas.

Contents:

toluene

Volatile CMR substances = 0.00 g/Kg

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

Organic Carbon - C = 0.52

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:

R11 Highly flammable.  
R2 Risk of explosion by shock, friction, fire or other sources of ignition.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R36 Irritating to eyes.  
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  
ACGIH - Threshold Limit Values - 2004 edition

## **Safety Data Sheet**

### **FILLER-HARD SPRAY**

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.