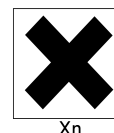


Safety Data Sheet

F18 SPRAY GRIGIO



Safety Data Sheet dated 29/3/2007, version 7

1. IDENTIFICATION OF PRODUCT AND OF COMPANY

Trade name: 2K HS Spray Grigio

Trade code: F18

Product type and use: Polyester spray filler

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:

15% - 20% Styrene

N.67/548/CEE: 601-026-00-0 CAS: 100-42-5 EINECS: 202-851-5

Xn,Xi; R10-20-36/38

3% - 5% Ethyl acetate

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

F,Xi; R11-36-66-67

0.5% - 1% Toluene

N.67/548/CEE: 601-021-00-3 CAS: 108-88-3 EINECS: 203-625-9

F,Repr. Cat. 3,Xn,Xi; R11-38-48/20-63-65-67

0.25% - 0.5% Xylene, mixture of isomers (flashpoint ≥ 21 °C)

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

Xn,Xi; R10-20/21-38

3. HAZARDS IDENTIFICATION

The product easily catches fire if it is exposed to an ignition source, even at temperatures below 21 °C.

The product is harmful following acute exposure to it and poses a serious health threat if inhaled. If brought into contact with the eyes, the product causes irritation that may last for over 24 hours, and if brought into contact with the skin it causes significant inflammation with erythema, scabs, and oedema.

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.



Safety Data Sheet

F18 SPRAY GRIGIO

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.

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.

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 (EN374), 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 |
|---------------|-------------|-------------|
| Styrene | 50 ppm | 100 ppm |
| Ethyl acetate | 200-300 ppm | 300-350 ppm |

Safety Data Sheet

F18 SPRAY GRIGIO

| | | |
|---|---------|---------|
| Toluene | 100 ppm | 150 ppm |
| Xylene, mixture of isomers (flashpoint ≥ 21 °C) | 100 ppm | 150 ppm |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------|--------------------|
| Appearance and colour: | Liquid, grey |
| Odour: | Typical of solvent |
| Relative density: | 1.6 |
| 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.

Styrene

Particular characteristics/effects:
High concentrations and styrene vapours have an irritating effect on the eyes and mucous membranes. Contact with the skin could give rise to cutaneous irritations.

Ways of exposure:
Inhalation: LC50, rat, 4 hours: 11.8 mg/l
Contact with the skin: LD50, rabbit: not known.
Swallowing: LD50, rat: 5000 mg/kg
Styrene can irritate the mouth, throat and gastrointestinal tract if swallowed. If inhaled, it can be quickly absorbed through the lungs and can lead to damage to other organs and apparatus.

Chronic toxicity:
Effects on development and on the reproductive system: research on animals has shown that styrene does not interfere with reproduction.
Mutagenesis: the results of tests on animals have not been definitive.
Carcinogenicity: the data obtained from various long-term studies and the data obtained from epidemiological research on exposed workers have not supplied evidence that styrene is carcinogenic.

Ethyl acetate

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.
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.

Safety Data Sheet

F18 SPRAY GRIGIO

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, due to the presence of organic solvents higher than that permitted by European laws.
The empty containers must be considered as Special Waste Materials and disposed of at Type 2B Waste Dumps. 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, <u>S-E</u> |

15. REGULATORY INFORMATION

88/379/EEC (Classification and Labelling):

Symbols:

Xn Harmful
F Highly flammable

R Phrases:

R11 Highly flammable.
R20 Harmful by inhalation.
R36/38 Irritating to eyes and skin.

S Phrases:

S23 Do not breathe spray
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas.

Contents:

Styrene

Volatile Organic compounds - VOCs = 230 g/kg = 370 g/L

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.20

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)

Safety Data Sheet

F18 SPRAY GRIGIO

16. OTHER INFORMATION

Text of R phrases referred to under heading 2:

- R10 Flammable.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R20/21 Harmful by inhalation and in contact with skin.
- R36 Irritating to eyes.
- R36/38 Irritating to eyes and skin.
- 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.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

Paragraphs modified from the previous revision:

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY
2. COMPOSITION/INFORMATION ON INGREDIENTS
5. FIRE-FIGHTING MEASURES
8. EXPOSURE CONTROLS / PERSONAL PROTECTION
9. PHYSICAL AND CHEMICAL PROPERTIES
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.