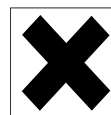


Safety Data Sheet

S20 ALL



Xn

Safety Data Sheet dated 23/11/2006, version 5

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name: S20 ALL
Trade code: S20
Product type and use: Polyester filler for auto-body and nautical applications
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:

10% - 12.5% styrene

N.67/548/CEE: 601-026-00-0 CAS: 100-42-5 EINECS: 202-851-5
Xn,Xi; R10-20-36/38

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

N.67/548/CEE: 649-356-00-4 CAS: 64742-95-6 EINECS: 265-199-0
Xn,Xi,N; R10-37-51-53-65

3. HAZARDS IDENTIFICATION

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

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.

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:

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

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42100 REGGIO EMILIA ITALY
+39-0522-517803

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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:
Always keep the containers tightly closed.
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:
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
styrene	50 ppm	100 ppm

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Aluminium color thixotropic paste
Odour:	Typical of Styrene
Flash point:	> 32°C.
Relative density:	1.83
Solubility in water:	Insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid:
Stable under normal conditions.

Substances to avoid:
None in particular.

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

Toxicological Information

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.

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 EINECS: 265-199-0

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

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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:	III
Shipping Name:	Paint
Transport category :	3
ADRRID-Class:	3
Classification code :	F1
Label:	3
IMDG-Class:	3
IMDG-Label:	3
IMDG-EMS:	F-E,S-E

15. REGULATORY INFORMATION

88/379/EEC (Classification and Labelling):

Symbols:

Xn Harmful

R Phrases:

R10 Flammable.

R20 Harmful by inhalation.

R36/38 Irritating to eyes and skin.

S Phrases:

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

S3/7 Keep container tightly closed in a cool place.

S37 Wear suitable gloves.

Contents:

styrene

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 = 130 g/Kg = 230 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 = 0.11

1999/13/EC (VOC directive)

16. OTHER INFORMATION

Text of R phrases referred to under heading 2:

R10 Flammable.

R20 Harmful by inhalation.

R36/38 Irritating to eyes and skin.

R37 Irritating to respiratory system.

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

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environment.

R65 Harmful: may cause lung damage if swallowed.

Paragraphs modified from the previous revision:

- 2. COMPOSITION/INFORMATION ON INGREDIENTS
- 8. EXPOSURE CONTROLS / PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY 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.