

SAFETY DATA-SHEET

Model conforming to the rules of the EC 91/155

1 Product and company name

Name of the product: ALSI 20

CAS No.: 3214.1000

Company identification: Mentioned above.

2 Composition / Information of the components

PREPARATION

Chemical nature: About 16% Styrene used like a solvent of a satiable resin.

Hazardous components:

3 Identification of the dangers

Label CEE: irritating for the skin, see § 15.

Transport label: not applicable.

Principal dangers: - Hazardous effects for the health:

According to our experimental information, the product in a concentrated form is irritating for the skin.

The product does not present other particular risks when used under normal conditions and industrial hygiene requirements.

- Hazardous effects for the environment:

The effectuated experimentation on new similar products indicates that it could be dangerous for life on earth and in water. However, the rules prohibit the throwing out of hydrocarbons in the environment.

Specific risks: None at our knowledge, by normal use.

4 First aid measures

In case of heavy troubles, call a doctor and ask for medical help at once.

Inhalation: In case of exposure of heavy concentrations of vapours, or smoke, bring the person in fresh air, keep the person calm and warm. When necessary, call a doctor.

Contact with the skin: Take off clothes and shoes. Wash immediately the affected parts of the body with soap and a lot of water. Clean out the body. (Do not use abrasive products, solvents and hydrocarbons)

When there is a persisting irritation, call a doctor.

Contact with the eyes: - Keep the eyelid open, rinse immediately with a lot of water for about 15 minutes. When there is persisting irritation, consult an ophthalmologist.

Ingestion: No special treatment is necessary. Do not let the person who swallowed the product throw up, this to avoid the aspiration risks in the respiration tracts when the person is unconscious. Contact a doctor in case of heavy troubles.

Aspiration: When one thinks that aspiration in the lungs has taken place, rush the person to the hospital.

Special cases: When the skin is affected by a jet of high pressure, there is a risk of introduction in the organism. The wounded person must be rushed to the hospital, even when there is no visible injury.

5 Measures to avoid fire

Product inflammable

Extinction means:

Appropriate

- CO2, moss, powder.

Sand can be used.

Not appropriate :

- Jet of water.

Specific dangers: - When there is a fire or explosion, a not complete burning and thermolyse can produce toxic gas like carbon monoxide, oxide of sulphur and nitrogen and different organic compounds. The inhalation of this is dangerous.

Special intervention methodes/protection of the person who intervenes : Do not inhale vapour of fire or decomposition. Carry an autonomous approved respirator when there is heavy smoke.

6 - Measures to take in case of accidental dispersion

Individual precautions: In relation with the exposure risks, carry clothes which are adapted to hydrocarbons and chemical products. Carry safety shoes, gloves and glasses. Overflow of the product can make the ground slippery.

Precautions

- Provide with installations and take every measure necessary to avoid environment pollution of water and the ground.

- Protect the sewerage for any possible overflow to minimize the risks of pollution.

- In case of spreading, inform the competent authorities when the situation can not be controlled quick and efficaciously.

- Protect environment and water resources of sensitive zones.

Cleaning methods:

- Carry out when necessary to break an emulsion.

- Recover with help of physical means (pumping, creaming, etc...)
- Recover with help of sand or all other absorbing inert material; do not throw in the sewers.
- Stained material must be recollected by an approved collector.

7 Handling and stocking of the product

HANDLING

Technical measures: - When one uses the product, assure that there is a sufficient ventilation because of possible risks of vapour forming etc...
Eliminate quickly after use: empty cans, rags which are impregnated with the product etc...

Precautions to take: - Keep the product away from food products.

Using recommendations:

- Long and/or often contact with the epidermis can provoke cutaneous infections encouraged by small wounds or rubbings with stained clothes.

STOCKING

Technical measures: - Stocking in metallic cans, hermetically closed and stocked in a cool and dry room.

Conditions of stocking:

Recommended : - To conserve into the cans of origin, closed when the product is not used. Stocking in a room, which is not exposed to the elements.
Take all measures to avoid the pollution of water and ground.

Incompatible materials: - Possible dangerous reactions with strong oxidizing agents.

Packing material:

Recommended :- Use cans resisting to hydrocarbons and chemical products.

8 The control of exposure / individual protection

Equipment for individual protection: According to the risks of exposure, use adapted clothes which are waterproof and resist hydrocarbons and chemical products.

Hygiene measures: - Do not wipe your hands with a rag, which served to clean.

- Remove immediately all dirty clothes.
- Do not inhale vapours, smoke etc...
- Do not eat, drink, smoke during use.
- Avoid long or often contact with the skin.

9 Physical and chemical elements

- ASPECT
- n physic : pasty
- n color : metallic grey
- n odour : polyester
- pH : NA
- Flash point : 80°C as normal
- Explosivity characteristics : Characteristic temperatures : initial distillation about 150°C of styrene vapor pressure: at 20°C :7mbar (Styrene)
- Volumes mass : at 20°C : about 1,35 g/cm3 (DIN 51757)
- Solubility in water : at 20°C :insoluble.
- Other information : at 20°C :about 1 100 mPa.S

10 - Stability and reactivity

Stability : -
Product is stable to normal stocking temperatures, the manipulation and use.

Dangerous reactions : Possibility of dangerous reactions with strong oxidizing products.

Products of dangerous decomposition: When combustion is not complete, not identified organic and/or inorganic compounds like carbon monoxide, and oxide of sulphur and nitrogen can be formed.

11 - Toxicological information

After evaluation of the toxicological information of the compounds, the product should have the following characteristics according to the rules in force :

Immediate toxicity : - The product has not an immediate toxicity, according to our knowledge.

Effects by accidental exposure :

n Inhalation : the vapours can be irritating for the respiratory organs and mucous membrane.

n Contact with the skin :

n Contact with the eyes : the product is considered, in a concentrated form, as irritating for the eyes.

n Ingestion : call a doctor.

12 - Ecological information

Mobility : All precautions must be taken to avoid contamination on the ground and/or in the water.

Persistency and degradation : Product not degradable.

Ecotoxicity : Nothing known about the product.

13 - Considerations for waste disposal

Waste : The only authorized method of waste disposal in France is the salvage by an approved collector and the reconditioning or burning in an approved waste disposal installation.

Dirty packing materials : Give it to an approved collector.

Local disposition : Regulations of the overflow of hydrocarbons in water is not permitted.

14 - Relative information of the transport

Not subject to the rules of transport of dangerous substances.

International rules : No UN :

By land (RTMDR - RID/ADR) Class : Number and letter : Label : inflammable
Hazard code : Code substance :

By sea : (IMDG) Class : Page :
Label : Group of packing material :
FS : GSMU :

By air : (OACI - IATA) Class: VN No : UN
Label : Group of packing material :

Note : Packing quantity per packet :
aeroplane passengers :
aeroplane cargo :

15 - Reglementary information

Communal rules :

Label CEE

Symbol : Xi: irritating

Phrase R : R 38: irritating for the skin.

Phrase S : S 24/25 : Avoid eye and skin contact.

S 37 : Carry adapted gloves.

Other data : About 16% styrene used like a solvent of a

insatiable resin.

Board of professional diseases :

Professional diseases :

The reglementary information here above recalls only the principal prescriptions concerning the labelling of the product which is the subject of this data-sheet. The user should consider that there could exist supplementary local prescriptions. It is strongly recommended that the user get information from the local authorities.

16 - Other Information

Types of use :

(For more details see the technical documentation POLYESTER MASTIC TO RESHAPE POLYESTER AND FIBERGLAS

This Safety Data Sheet completes the technical instructions for use, but does not replace them. The data obtained are based on the state of our knowledge of the product in question 10/91/96 and are given in trust. The user's attention is moreover drawn to the possible hazards incurred when a product is used for purposes other than those for which it has been designed.

This Safety Data Sheet does not exempt the user to know and apply all the rules for his activity. Only the user is responsible for the precautions he has to take when he uses the product.

All the reglementary prescriptions which are mentioned have as object to help the user to fulfill the obligations during the use of the product. This enumeration must not be considered as exhaustive and does not relieve the user to assure that possible other obligations can exist, and for which he is the only person responsible.

The information above is based on our knowledge of today (see date). The purpose of this Safety Data Sheet is to describe the product according to the requirements of safety work and not to guarantee some characteristics.