

Safety Data Sheet

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Issue date: 09/02/2004
Number: 2791E, FI

1. Identification of the substance/preparation and the company/undertaking

Product name: SYLFAT® 2

Company : Arizona Chemical Oy
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FIN-90101 Oulu, Finland
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Emergency Tel : +44 1865 407 333

Intended use: Chemical intermediate used for manufacture of industrial products.

2. Composition/Information on ingredients

Composition: Tall oil fatty acid

Chemical name	CAS no.	EINECS no.	Symbol	R-phrases	%WT
Tall oil fatty acid	61790-12-3	263-107-3			100

3. Hazards Identification

Effects of (over)exposure: Irritating to eyes. Vapours may cause irritation

Symptoms of (over)exposure

- **Inhalation:** Vapours may cause irritation
- **Eye contact:** May cause some irritation.
- **Ingestion:** May cause nausea, vomiting and irritation of respiratory tract

4. First-Aid Measures

Skin contact: Wash with soap and water.

Eye contact: Remove contact lenses. Rinse immediately with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation persists.

Ingestion: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Wash out mouth with water, obtain medical attention if necessary. DO NOT induce vomiting because of risk of aspiration

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5. Fire-Fighting Measures

Extinguishing media

- **Suitable:** Powder, carbon dioxide, foam, watermist (only large amounts)
- **Not to be used:** Not applicable

Hazardous thermal decomposition and combustion products

- In case of fire toxic fumes will be formed

Protection of firefighters

- Wear protective clothing and use self-contained breathing apparatus

6. Accidental Release Measures

Personal precautions: Put on adequate protective equipment

Environmental precautions: Keep away from drains, surface-water, ground-water and soil

Methods for cleaning up: Collect as much as possible in a container for disposal. Cover the remainder with inert absorbent. Disposal according to local regulations

7. Handling and Storage

Handling: Avoid contact with eyes. Keep away from heat. Keep away from sources of ignition - No smoking. Can self-ignite when soaked into porous material (eg. rags, textiles, insulations, inorganic materials....).

Storage: Keep in a dry cool ventilated place. Keep away from heat Keep away from sources of ignition - No smoking. Direct sunshine should be avoided. Can self-ignite when soaked into porous material (eg. rags, textiles, insulations, inorganic materials....).

8. Exposure Controls/Personal Protection

Chemical name	TLV* ppm mg/m ³	MAC** ppm mg/m ³	R-phrases
Tall oil fatty acid			
Not applicable			

*) ACGIH 1995-1996

**) The Netherlands-1995

Respiratory protection: Suitable respiratory equipment in case of insufficient ventilation.

Hand protection: Protective gloves, PVC

Eye protection: Safety goggles

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Skin and body protection: Suitable protective clothing

9. Physical and Chemical Properties

- Appearance	Liquid
- Autoignition temperature	Not known
- Boiling point	> 200 °C
- Colour	Yellow
- Flash point	200 °C
- Melting range	- 6 °C
- Odour	Faint odour
- Log P _{ow}	4,9 - 6,0
- pH	Not applicable
- Density	905 kg/m ³ , (20°C)
- Solubility in water	Insoluble
- Vapour pressure	3 mbar, (150°C)
- Viscosity	30 mPa.s, (20°C)

10. Stability and Reactivity

Conditions to avoid:	Excessive heating. Direct sunshine should be avoided. Can self-ignite when soaked into porous material (eg. rags, textiles, insulations, inorganic materials....)..
Materials to avoid:	oxidizing agents
Hazardous decomposition products:	None under normal conditions

11. Toxicological Information

Routes of exposure

- **Inhalation:** Vapours may cause breathing problems
- **Skin contact:** Test according to method OECD 406. Negative
Produced no evidence for skin sensitisation.
- **Eye contact:** May cause some irritation.

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- **Ingestion:** Tall oil fatty acid main fatty acids tested
Result:
Oleic acid: LD50, oral - rat = 74 g / kg
Linoleic acid: LD50, oral - rat > 3.2 g/kg

12. Ecological Information

- Mobility:** Not known.
- Persistence and degradability:** Readily Biodegradable.
> 80 % 28 days (OECD 301F)
- Ecotoxicity:** Fish LL₅₀ (96h) > 10 000 mg / l WAF (OECD 203).
NOEC > 10 000
Daphnia EL₅₀ (48 h) > 10 000 mg / l WAF (OECD 202).
NOEC > 10 000
Algae E_bL₅₀ (72 h) > 1000 mg / l WAF (OECD 201).
NOEC > 1000 mg/l
Bacteria EC₅₀ > 10 000 mg/l WAF (ISO 10712)
NOEC > 10 000 mg/l

13. Disposal Considerations

- Methods of disposal:** Controlled incineration. Disposal according to local regulations
- Danger(s):** Can self-ignite when soaked into porous material (eg. rags, textiles, insulations, inorganic materials....)..

14. Transport Information

Classification

- Not classified

15. Regulatory Information

EU classification Not classified

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Risk-phrases:

Safety-phrases:

16. Other Information

Other information WGK = 1 (Kenn-Nr. 692)

Correction

Product name: **SYLFAT® 2**

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