



SAFETY DATA SHEET

FOR 2, FOR 2X, FOR 5 Tall Oil Fatty Acid

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Date issued 07.01.2011

Revision date 02.02.2017

1.1. Product identifier

Product name FOR 2, FOR 2X, FOR 5 Tall Oil Fatty Acid

REACH Reg. No. This substance is exempted from Registration according to provisions of Article 2(7)a and Annex IV of REACH.

CAS no. 61790-12-3

EC no. 263-107-3

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation Intermediate, raw material

1.3. Details of the supplier of the safety data sheet

Company name Forchem Oy

Postal address Maanpääntie 3

Postcode 26101

City Rauma

Country Finland

Tel +358 (0)2 478 4400

E-mail mikko.rintola@forchem.com

Website <http://www.forchem.com/>

1.4. Emergency telephone number

Emergency telephone Emergency telephone number:112

Poison Information Centre (in Finland), open 24 h daily:(09) 471977 or (09) 4711

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification notes In accordance with current regulations, this product has not been classified as hazardous.

CLP Classification, Comments Not classified as hazardous

2.2. Label elements

Other Label Information No labeling. In accordance with current regulations, this product has not been classified as hazardous.

2.3. Other hazards

Physico-chemical effects Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.

Health effect Contact with hot product may cause burns.

Environmental effects Slightly hazardous to the aquatic environment.

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance	Identification	Classification	Contents
Tall oil fatty acid	CAS no.: 61790-12-3 EC no.: 263-107-3		100 %

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Fresh air. Perform artificial respiration if breathing has stopped. Get medical attention.
Skin contact	Wash skin with soap and water. If material is hot, treat for thermal burns and get immediate medical attention.
Eye contact	Immediately rinse with water for several minutes. Get medical attention. In case of thermal burns: Cool the eye immediately with cold running water. Get medical attention immediately!
Ingestion	Rinse mouth with water.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects	May mildly irritate skin and eyes. Contact with hot product may cause thermal burns.
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4.3. Indication of any immediate medical attention and special treatment needed

Other Information	None.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Powder. Carbon dioxide (CO ₂). Foam. Large amounts of water mist.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	The product is non-combustible.
Hazardous combustion products	Toxic gases, vapours or fumes. Dense smoke.

5.3. Advice for firefighters

Fire fighting procedures	Self contained breathing apparatus and full protective clothing must be worn in case of fire.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Use personal protective equipment as required. For personal protection, see section 8.
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6.2. Environmental precautions

Environmental precautionary measures	Do not discharge into drains, water courses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Smaller quantities of residue may be collected by an absorbent. For waste disposal, see section 13.
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6.4. Reference to other sections

Other instructions	None.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Provide good ventilation. Avoid contact with eyes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in a cool and well-ventilated place.
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Conditions To Avoid	Protect from sunlight.
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7.3. Specific end use(s)

Specific use(s)	None.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other Information about threshold limit values	None.
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8.2. Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure	Provide adequate general and local exhaust ventilation.
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Respiratory protection

Respiratory protection	Under normal conditions of use respiration protection should not be required.
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Hand protection

Hand protection	Wear protective gloves. When handling hot material, use heat resistant gloves.
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Suitable gloves type	Polyvinyl chloride (PVC). Polyethylene.
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Eye / face protection

Eye protection	Wear goggles/face shield.
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Skin protection

Skin protection (except hands)	Wear appropriate clothing to prevent reasonably probable skin contact. Long sleeved clothing.
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Protective clothing necessary properties	When handling hot material: Heat-resistant protective clothing.
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Appropriate environmental exposure control

Environmental exposure controls	Prevent entry into sewers or the environment.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
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Colour	Yellow.
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Odour	Mild.
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Comments, Odour limit	Not determined.
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Comments, pH (as supplied)	Not relevant.
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Comments, Melting point / melting range	Not determined.
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Boiling point / boiling range	Value: > 200 °C
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Flash point	Value: 200 °C
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Comments, Evaporation rate	Not determined.
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Comments, Explosion limit	Not determined.
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Vapour pressure	Value: 3 mbar
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Comments, Vapour density	Not determined.
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Specific gravity	Value: 0,905 kg/dm ³ Test temperature: 20 °C
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Solubility description	Insoluble in water.
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Partition coefficient: n-octanol/water	Value: 4,9-6,0
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Comments, Spontaneous combustability	Method of testing: log Pow Not determined.
Decomposition temperature	Value: > 200 °C
Comments, Decomposition temperature	Decomposes upon boiling.
Viscosity	Value: 35 mPa.s Test temperature: 20 °C
Oxidising properties	Not classified as oxidising.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	Not determined.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No data recorded.
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10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data recorded.
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10.4. Conditions to avoid

Conditions to avoid	Overheating. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
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10.5. Incompatible materials

Materials to avoid	No data recorded.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

Other toxicological data	Toxicological studies are not yet available. Based on available data, the classification criteria are not met.
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Potential acute effects

Skin contact	Not Irritating.
Eye contact	Not Irritating. Splashes may irritate.
Aspiration hazard	The product is not classified as an aspiration hazard.

Delayed effects / repeated exposure

Sensitisation	Not Sensitising.
STOT-single exposure	The product is not classified as toxic to specific target organs.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	Based on available data the classification criteria are not met.
Mutagenicity	Based on available data the classification criteria are not met.
Reproductive toxicity	The product is not classified as toxic to reproduction.

Symptoms of Exposure

Other Information	No data recorded.
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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Not classified as dangerous to the environment.
Aquatic, comments	WGK (Wassergefährdungsklasse) = 1

12.2. Persistence and degradability

Biodegradability	Value: > 80 % Test period: 28 d Method of testing: OECD Guideline 301 F
Persistence and degradability	The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Not known.
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12.4. Mobility in soil

Mobility	Not known.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
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12.6. Other adverse effects

Other adverse effects / Remarks	Not known.
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SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Specify the appropriate methods of disposal	Controlled incineration.
Other Information	Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

SECTION 14: Transport information**14.1. UN number**

Comments	The product is not classified for transportation.
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14.2. UN proper shipping name**14.3. Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards**

Comments	The product is not classified as hazardous to the environment.
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14.6. Special precautions for user

Special safety precautions for user	None.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Additional information.

Additional information.	Not relevant.
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SECTION 15: Regulatory information

EC no.	263-107-3
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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Legislation and regulations	Not known.
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

Additional information	Safety Data Sheet in accordance with Regulation (EU) No. 453/2010.
Important data sources used to construct the safety data sheet	Previous version of the SDS (2012-02-16)
Version	3
Responsible for safety data sheet	Forchem Oy