

SAFETY DATA SHEET

Apyrum 101 Liquid

DEFLAMO

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 01.10.2018

1.1. Product identifier

Product name Apyrum 101 Liquid
Synonyms Apyrum 10125

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

Function Description: Flame retardant

Relevant identified uses

SU5 Manufacture of textiles, leather, fur
PROC1 Use in closed process, no likelihood of exposure
PROC11 Non-industrial spraying
AC06 Fabrics, textiles and apparel: curtains, upholstery, carpeting/flooring, rugs,

SU6 Manufacture of pulp, paper and paper products
PROC1 Use in closed process, no likelihood of exposure
PROC7 Industrial spraying
C20 Other

C20 Other

ERC3 Formulation in materials

1.3. Details of the supplier of the safety data sheet

Company name Deflamo AB (publ)
Postal address Västra Kajen 8
Postcode SE-374 31
City KARLSHAMN
Country SWEDEN
Telephone number +46 (0)40-619 95 00
Email info@deflamo.com
Website <http://www.deflamo.com>
Enterprise No. 556648-6204

1.4. Emergency telephone number

Emergency telephone Telephone number: 112

Description: Emergency number

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Acute tox. 4; H302; Eye Irrit. 2; H318;
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2.2. Label elements

Hazard pictograms (CLP)



Signal word	Warning
Hazard statements	H302 Harmful if swallowed. H319 Causes serious eye irritation.
Precautionary statements	P264 Wash thoroughly after handling. P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice / attention.

2.3. Other hazards

Other hazards	None
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description of the mixture	Tetrasodium Pyrophosphate 7722-88-5, Acute toxic 4, H302, 1-10% Tetrasodium Pyrophosphate 7722-88-5, Eye Irrit 2, H318, 1-10%
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SECTION 4: First aid measures

4.1. Description of first aid measures

General	When obtaining medical advice, show this safety data sheet to the doctor
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Get medical advice/attention if you feel unwell.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If medical advice is needed, have product container or label at hand.

Ingestion	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.
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4.2. Most important symptoms and effects, both acute and delayed

General symptoms and effects	May cause light irritation of skin and eyes.
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4.3. Indication of any immediate medical attention and special treatment needed

Other information	No special immediate treatment required.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with powder, foam, carbon dioxide or water mist.
Improper extinguishing media	Not applicable

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Avoid inhalation of vapour and fumes - seek fresh air. Not flammable.
Hazardous combustion products	Carbon oxides, alkali metal, Alkaline metal oxides.

5.3. Advice for firefighters

Personal protective equipment	Use personal protective equipment as required.
Fire fighting procedures	Fight fire with normal precautions from a reasonable distance.
Other information	Send contaminated extinguishing water for destruction. Product is soluble in water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Wear protective gloves ,/ protective clothing / eye protection / face protection. Avoid contact with eyes.
For emergency responders	Deployment personnel: normal protective clothing equivalent to EN 943-2 is recommended.

6.2. Environmental precautions

Environmental precautionary measures	Avoid release to the environment. Notify proper authorities in case of discharge to water systems.
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6.3. Methods and material for containment and cleaning up

Containment	Store in a closed container.
Clean up	Collect spillage.

6.4. Reference to other sections

Other instructions

See section 7 for safe handling.
See section 8 for type of personal protective equipment.
See section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Keep container tightly closed. Keep out of reach of children. Protect from sunlight. Store in a well-ventilated place.

7.3. Specific end use(s)

Specific use(s)

See product information.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Appropriate engineering controls

General industrial hygiene.

Instruction on measures to prevent exposure

Wash hands before breaks and at the end of work. Wear personal protective equipment as specified below.

Eye / face protection

Suitable eye protection

Use equipment for eye protection tested and approved under appropriate standards such as NIOSH (US) or EN 166 (EU).

Hand protection

Hand protection equipment

Description: Use protective gloves. Gloves must be inspected prior to use.

Skin protection

Suitable protective clothing

Choose body protection in relation to type of work, to the concentration and amount of dangerous substances, and to the layout of the specific work-station. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific work-station.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Transparent to slightly yellowish
Odour	Odourless to slight smell of vinegar
pH	Status: In delivery state Value: 7,0 - 8,0
Flash point	Comments: Not flammable
Flammability (solid, gas)	Non-flammable
Density	Value: 1,153 - 1,21 g/cm ³
Solubility	Comments: Apyrum 101 is fully soluble in water
Decomposition temperature	Value: > 250 °C

9.2. Other information

Other physical and chemical properties

Comments	None
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Non-reactive
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10.2. Chemical stability

Stability	The product is stable when used and stored in accordance with the supplier's directions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No risk of hazardous reactions.
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10.4. Conditions to avoid

Conditions to avoid	None known
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10.5. Incompatible materials

Materials to avoid	Avoid contact with strong oxidizing agents. Avoid contact with strong acids. Avoid contact with alkaline substances.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Product decomposes in fire conditions and gases such as Carbon oxides, Alkaline metal and Alkaline metal oxides may be released.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

General	None known
Carcinogenicity, other information	None

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability description	No data available.
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available.
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12.4. Mobility in soil

Mobility	No data available.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	The product does not meet the criteria for PBT or vPvB.
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12.6. Other adverse effects

Other adverse effects, comments	No known significant effects or critical hazards
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Offer surplus and non-recyclable solutions to a licensed disposal company.
EWC waste code	EWC waste code: 160303 inorganic wastes containing dangerous substances Classified as hazardous waste: Yes
EWL packing	EWC waste code: 150110 packaging containing residues of or contaminated by dangerous substances Classified as hazardous waste: Yes
EU Regulations	2008/98/EG

SECTION 14: Transport information

Dangerous goods	No
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14.1. UN number

14.2. UN proper shipping name

ADR / RID / ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO / IATA	Not dangerous goods

14.3. Transport hazard class(es)

Comments	Not applicable
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14.4. Packing group

Comments	Not applicable
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14.5. Environmental hazards

ADR / RID / ADN	No
IMDG Marine pollutant	No
ICAO / IATA	No
Comments	Not applicable

14.6. Special precautions for user**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture****15.2. Chemical safety assessment**

Chemical safety assessment performed	No
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SECTION 16: Other information

Supplier's notes	The information in this document is according to above laws and is based on the present state of knowledge and experience. It is the users responsibility to use this product in a safe manner and comply with all applicable laws and regulations regarding to use of the product. The user should be aware that the use of the product for purposes other than those for which it is produced, are a potential risk.
List of relevant H-phrases (Section 2 and 3)	H302 Harmful if swallowed. H318 Causes serious eye damage.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Acute tox. 4; H302; Eye Irrit. 2; H318;
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