

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

LOXEAL ATTIVATORE 11 Aerosol

**Product no.**

-

**REACH registration number**

Not applicable

**Other means of identification**

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

**Relevant identified uses of the substance or mixture**

activator

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

### 1.3. Details of the supplier of the safety data sheet

**Company and address**

Unipak A/S  
Marktoften 3C  
8464 Galten  
Denmark

**E-mail**

sales@unipak.dk

**SDS date**

19-06-2015

**SDS Version**

1.0

### 1.4. Emergency telephone number

+45 8626 1177 (normal opening time)  
These services are only available to health professionals.  
The UK National Poisons Emergency number is 0870 600 6266  
Use your national or local emergency number  
See section 4 "First aid measures"

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Aerosol 1; H229  
Aerosol 1; H222  
Eye Irrit. 2; H319  
STOT SE 3; H336  
Aquatic Chronic 3; H412

See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)**



**Signal word**

Danger

**Hazard statement(s)**

Pressurised container: May burst if heated. (H229)  
 Extremely flammable aerosol. (H222)  
 Causes serious eye irritation. (H319)  
 May cause drowsiness or dizziness. (H336)  
 Harmful to aquatic life with long lasting effects. (H412)

<b>Safety statement(s)</b>	<b>General Prevention</b>	- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210). Do not spray on an open flame or other ignition source. (P211). Do not pierce or burn, even after use. (P251). Avoid breathing mist/vapours/fume/spray. (P261). Use only outdoors or in a well-ventilated area. (P271). Avoid release to the environment. (P273). Wear eye protection. (P280).
	<b>Response</b>	Call a POISON CENTER/doctor if you feel unwell. (P312). IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338). If eye irritation persists: Get medical advice/attention. (P337+P313).
	<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. (P403+P233). Protect from sunlight. Do no expose to temperatures exceeding 50 oC/122oF. (P410+P412).
	<b>Disposal</b>	Dispose of contents/container to an approved waste disposal plant. (P501).

**Identity of the substances primarily responsible for the major health hazards**

REACTION MASS OF ETHANOL AND PROPAN-2-OL

**2.3. Other hazards**

**Additional labelling**

-

**Additional warnings**

-

**VOC**

-

**SECTION 3: Composition/information on ingredients**

**3.1/3.2. Substances/Mixtures**

NAME: IDENTIFICATION NOS.: CONTENT: CLP CLASSIFICATION:	REACTION MASS OF ETHANOL AND PROPAN-2-OL EC-no: 902-053-3 30-60% Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336
NAME: IDENTIFICATION NOS.: CONTENT: CLP CLASSIFICATION:	HYDROCARBONS, C10-C13, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS EC-no: 918-481-9 <1% Asp. Tox. 1 H304
NAME: IDENTIFICATION NOS.: CONTENT: CLP CLASSIFICATION:	Naphthenic acids, copper salts copper naphthenate CAS-no: 1338-02-9 EC-no: 215-657-0 Index-no: 029-003-00-5 <1% Flam. Liq. 3, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1 H226, H302, H400, H410

According to EC-Regulation 1907/2006 (REACH)

NAME:	2-ethylhexanoic acid, copper salt
IDENTIFICATION NOS.:	CAS-no: 22221-10-9 EC-no: 244-846-0
CONTENT:	<1%
CLP CLASSIFICATION:	Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1 H302, H400, H410

(\*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

## Other informations

ATEmix(oral) > 2000  
 Eye Cat. 2 Sum = Sum(Ci/S(G)CL) = 2,392 - 0  
 Skin Cat. 2 Sum = Sum(Ci/S(G)CL) = 0 - 0  
 N chronic (CAT 3) Sum = Sum(Ci/M(chronic))\*25\*0.1\*10^CATi) = 6,336 - 9,504  
 N acute (CAT 1) Sum = Sum(Ci/M(acute))\*25) = 0,06336 - 0,09504

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

#### Inhalation

Get the injured person into fresh air. Make sure there is always someone with the injured person. Prevent shock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth resuscitation. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

#### Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

#### Eye contact

Remove contact lenses. Flush eyes with water (20-30°C) for at least 15 minutes. Call a doctor.

#### Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

#### Burns

Rinse with water until the pain stops and continue for 30 minutes.

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

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

### 4.3. Indication of any immediate medical attention and special treatment needed

Call a doctor if you feel unwell.

#### Information to medics

Bring this safety data sheet.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture

No special

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours from waste material. Stores that have not ignited must be cooled by water mist. Where possible, remove flammable materials. Make sure there is sufficient ventilation.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of a leakage to the surroundings, contact the local environmental authorities. Consider putting up waste collecting trays/basins to prevent leakage to the surroundings.

### 6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

### 6.4. Reference to other sections

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Consider putting up waste collecting trays/basins to prevent leakage to the surroundings. See section on 'Exposure controls/personal protection' for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original. Must be stored in a cool and ventilated area, away from possible sources of combustion.

#### Storage temperature

5 – 45°C

### 7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

No data available

#### DNEL / PNEC

No data available.

### 8.2. Exposure controls

No control is necessary if the product is used in a normal way.

#### General recommendations

▼ Observe general occupational hygiene.

#### Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

#### Exposure limits

There are no maximum exposure limits for the substances contained in this product.

#### Appropriate technical measures

Take ordinary precautions when using the product. Avoid inhalation of gas or dust.

#### Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

No specific requirements.

### Individual protection measures, such as personal protective equipment



#### Generally

Use only CE marked protective equipment.

#### Respiratory Equipment

Recommended: AP2

#### Skin protection

According to EC-Regulation 1907/2006 (REACH)

Special work clothing should be used. When working with this product for a long period of time, use a protective suit.

#### Hand protection

Recommended: Nitrile rubber.

#### Eye protection

Use face shield. Use safety glasses with a side shield as an alternative.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm <sup>3</sup> )
Liquid	-	Alcohol odor	-	-	0,79

#### Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-122	78	-

#### Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
12	-	-

Explosion limits (Vol %)	Oxidizing properties
-	-

#### Solubility

Solubility in water	n-octanol/water coefficient
Soluble	-

### 9.2. Other information

Solubility in fat	Additional information
-	N/A

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

### 10.3. Possibility of hazardous reactions

No special

### 10.4. Conditions to avoid

Avoid static electricity. Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Substance	Species	Test	Route of exposure	Result
HYDROCARBONS, C10-C13, n-ALKAN...	Rat	LD50	Oral	5000 mg/kg
HYDROCARBONS, C10-C13, n-ALKAN...	Rabbit	LD50	Dermal	3160 mg/kg
HYDROCARBONS, C10-C13, n-ALKAN...	Rat	LC50	Inhalation	4,95 mg/l
REACTION MASS OF ETHANOL AND P...	Rat	LD50	Oral	2000 mg/kg
REACTION MASS OF ETHANOL AND P...	Rabbit	LD50	Dermal	13900 mg/kg
REACTION MASS OF ETHANOL AND P...	Rat	LC50	Inhalation	25 mg/L

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/irritation

According to EC-Regulation 1907/2006 (REACH)

Causes serious eye irritation.

**Respiratory or skin sensitisation**

No data available.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

May cause drowsiness or dizziness.

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Long term effects**

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance	Species	Test	Test duration	Result
REACTION MASS OF ETHANOL AND P...	Daphnia	NOEC	21d	> 10 mg/l
REACTION MASS OF ETHANOL AND P...	Daphnia	EC50	48h	5012 mg/l
REACTION MASS OF ETHANOL AND P...	Fish	LC50	96h	9640 mg/l
REACTION MASS OF ETHANOL AND P...	Algae	EC50	96h	675 mg/l

**12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
No data available.			

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BFC
No data available.			

**12.4. Mobility in soil**

REACTION MASS OF ETHANOL AND P...: Log Koc= 0,117995, Calculated from LogPow (High mobility potential. ).

**12.5. Results of PBT and vPvB assessment**

No data available

**12.6. Other adverse effects**

This product contains ecotoxic substances which can have damaging effects on water-organisms. This product contains substances which can cause undesirable long-term effects in the water environment, due to its poor biodegradability.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

The product is covered by the regulations on dangerous waste.

**Waste**

EWC code  
16 05 14

**Specific labelling**

-

**Contaminated packing**

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

## SECTION 14: Transport information

This product is covered by the conventions on dangerous goods.

### 14.1 – 14.4

#### ADR/RID

14.1. UN number	1950
14.2. UN proper shipping name	AEROSOLER, FLAMMABLE
14.3. Transport hazard class(es)	2
14.4. Packing group	-
Notes	-
Tunnel restriction code	D

#### IMDG

UN-no.	1950
Proper Shipping Name	AEROSOLER, FLAMMABLE
Class	2
PG*	-
EmS	F-D, S-U
MP**	-
Hazardous constituent	-

#### IATA/ICAO

UN-no.	
Proper Shipping Name	
Class	
PG*	

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

-

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(\*) Packing group

(\*\*) Marine pollutant

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Restrictions for application

-

#### Demands for specific education

-

#### Additional information

#### Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

According to EC-Regulation 1907/2006 (REACH)

- H225 - Highly flammable liquid and vapour.
- H226 - Flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H319 - Causes serious eye irritation.
- H336 - May cause drowsiness or dizziness.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.

**The full text of identified uses as mentioned in section 1**

-

**Other symbols mentioned in section 2**



**Other**

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.  
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.  
A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

**The safety data sheet is validated by**

**Date of last essential change  
(First cipher in SDS version)**

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**Date of last minor change  
(Last cipher in SDS version)**

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