

# SAFETY DATA SHEET

In accordance with 1907/2006 annex II 2015/830 and 1272/2008  
(All references to EU regulations and directives are abbreviated into only the numeric term)  
Revision date 2019-10-23  
Replaces issued SDS 2018-11-06  
Version number 2.0



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

### 1.1. Product identifier

Trade name Accelerator & Activator

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

Identified uses Cosmetics

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

Company Lilly Nails AB  
Parkgatan 13  
411 24 Göteborg  
Sweden  
Telephone 031-298829  
E-mail order@lillynails.se

### 1.4. Emergency telephone number

Acute cases: Call 112, request poison information.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Flammable liquids (Category 2),H225  
Irritates eyes (Category 2),H319  
Specific target organ toxicity - Single exposure (Category 3, Narcosis effect),H336

### 2.2. Label elements

Hazard pictogram



Signal word	Danger
Hazard statements	
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
Precautionary statements	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P261	Avoid breathing mist or vapours
P280	Wear eye protection
P312	Call a a POISON CENTER if you feel unwell
P403+P235	Store in a well-ventilated place. Keep cool
P501	Dispose of contents and container to authorised waste disposal facility

### Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.  
Contains: ACETONE, ETHYL ACETATE

### 2.3. Other hazards

This product does not contain any substances that are assessed to be a PBT or a vPvB

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
<b>ACETONE</b>		
CAS No: 67-64-1 EC No: 200-662-2 Index No: 606-001-00-8 REACH: 01-2119471330-49	Flam Liq 2, Eye Irrit 2, STOT SE <i>3drow</i> ; H225, EUH066, H319, H336	≥25 - <50 %
<b>ETHYL ACETATE</b>		
CAS No: 141-78-6 EC No: 205-500-4 Index No: 607-022-00-5 REACH: 01-2119475103-46	Flam Liq 2, Eye Irrit 2, STOT SE <i>3drow</i> ; H225, EUH066, H319, H336	≥25 - <50 %

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Generally

In case of concern, or if symptoms occur, call a doctor/physician.

Never attempt to administer liquid, or anything else, to an unconscious person via the mouth.

#### Upon breathing in

Bring the injured person out into fresh air. Give artificial respiration if breathing has stopped. If breathing is difficult let trained personnel administer oxygen. Let the injured person rest in a warm place with fresh air and seek medical advice immediately.

#### Upon eye contact

Remove contact lenses immediately if possible.

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor.

#### Upon skin contact

Remove contaminated clothing.

Wash the skin with soap and water.

If symptoms occur, contact a physician.

#### Upon ingestion

Rinse mouth out thoroughly first with water, then SPIT OUT the rinse water. Drink at least half a litre of water and seek medical advice. DO NOT INDUCE VOMITING.

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

#### Upon breathing in

May cause drowsiness or disorientation.

#### Upon eye contact

Irritates the eyes.

#### Upon skin contact

Can cause dry or cracked skin during prolonged/frequently repeated contact.

#### Upon ingestion

Ingestion may cause discomfort or reduced general condition.

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

Symptomatic treatment.

Upon contact with a doctor, make sure to have the label or this safety data sheet with you.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

#### Recommended extinguishing agents

Extinguish with water mist, powder, carbon dioxide or alcoholresistant foam.

#### Unsuitable extinguishing agents

May not be extinguished with water dispersed under high pressure.

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

Emits flammable vapours which may form an explosive mixture with air.

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

### 5.3. Advice for fire-fighters

Protective measures should be taken regarding other material at the site of the fire.

In case of fire use a respirator mask.

Wear full protective clothing.

Cool closed containers that were exposed to fire with water.

## SECTION 6: Accidental release measures

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

Note the risk of ignition.

Switch off equipment which has an exposed flame, glows, or has a heat source of some other kind.

Switch off power at the main switch. Do not use the power switch in the room where the spillage has occurred.

Note, risk for formation of sparks due to static electricity. Do not remove clothing in a room where spillage has occurred.

Evacuate the accident area and call an ambulance, if relevant.

The area should be ventilated with fresh air.

Do not inhale vapours and avoid contact with skin, eyes and clothes when cleaning up the spillage.

Use recommended safety equipment, see section 8.

Keep unauthorized and unprotected people at a safe distance.

Note that there is a risk of slipping if product is leaking/spilling.

Use masks with fresh air when oxygen content is low or unknown.

### 6.2. Environmental precautions

Avoid release to drains, soil or watercourses.

Prevent from entering sewers, basements and pits, or any place where gas accumulation could be dangerous.

Notify rescue services for larger spillage.

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

Do NOT use tools emitting sparks when cleaning.

Absorb the liquid with an inert absorbent, vermiculite, for example. Collect the material for disposal at a waste disposal facility.

Residues left behind after cleaning shall be treated as hazardous waste. For further information, contact the local authority sanitisation works. Present this safety data sheet.

Ensure good ventilation after sanitation.

### 6.4. Reference to other sections

See also section 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Store this product separately from food items and keep it out of the reach of children and pets.

Open fire, hot items, sparks or other ignition sources must not be present in the environment used for handling this product.

The product may be electrostatically charged. Always ground the containers while transferring the contents from one container to another. Do not use tools that may cause sparks.

Do not inhale the fumes and avoid exposure to skin, eyes and clothing.

Do not eat, drink or smoke in premises where this product is handled.

Wash your hands after using the product.

Remove contaminated clothing.

Wash contaminated clothing before reuse.

Local exhaust ventilation may be necessary.

Use recommended safety equipment, see section 8.

Keep away from incompatible products.

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

This product should be stored well out of reach of young children and kept safely apart from products intended for consumption.

The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in a sensitive environment.

Always use sealed and visibly labeled packages.

Store tightly, in original packaging.

Store only in the original package.

Store in a well-ventilated and locked place.

Store as flammable liquid.

Store in dry and cool area.

Do not store in direct sunlight.

Do not store close to incompatible materials (see section 10.5).

## 7.3. Specific end uses

See identified uses in Section 1.2.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### 8.1.1. National limit values

#### ACETONE

#### United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 500 ppm / 1210 mg/m<sup>3</sup>

Short term exposure limit (STEL) 1500 ppm / 3620 mg/m<sup>3</sup>

#### ETHYL ACETATE

#### United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 200 ppm / 734 mg/m<sup>3</sup>

Short term exposure limit (STEL) 400 ppm / 1468 mg/m<sup>3</sup>

#### DNEL

#### ACETONE

	Type of exposure	Route of exposure	Value
Worker	Acute	Inhalation	2420 mg/m <sup>3</sup>
	Local		
Consumer	Chronic Systemic	Inhalation	200 mg/m <sup>3</sup>
Worker	Chronic Systemic	Dermal	186 mg/kg
Worker	Chronic Systemic	Inhalation	1210 mg/m <sup>3</sup>
Consumer	Chronic Systemic	Oral	62 mg/kg
Consumer	Chronic Systemic	Dermal	62 mg/kg

**ETHYL ACETATE**

	Type of exposure	Route of exposure	Value
Worker	Acute Local	Inhalation	1468 mg/m <sup>3</sup>
Consumer	Chronic Systemic	Inhalation	367 mg/m <sup>3</sup>
Worker	Chronic Systemic	Dermal	63 mg/kg
Worker	Acute Systemic	Inhalation	1468 mg/m <sup>3</sup>
Worker	Chronic Local	Inhalation	734 mg/m <sup>3</sup>
Worker	Chronic Systemic	Inhalation	743 mg/m <sup>3</sup>
Consumer	Acute Local	Inhalation	734 mg/m <sup>3</sup>
Consumer	Acute Systemic	Inhalation	734 mg/m <sup>3</sup>
Consumer	Chronic Local	Inhalation	367 mg/m <sup>3</sup>
Consumer	Chronic Systemic	Oral	4.5 mg/kg
Consumer	Chronic Systemic	Dermal	37 mg/kg

**PNEC****ACETONE**

Environmental protection target	PNEC value
Fresh water	10.6 mg/l
Freshwater sediments	30.4 mg/kg dwt
Marine water	1.06 mg/l
Marine sediments	3.04 mg/kg dwt
Microorganisms in sewage treatment	100 mg/l
Soil (agricultural)	29.5 mg/kg
Intermittent	21 mg/L

## ETHYL ACETATE

Environmental protection target	PNEC value
Fresh water	0.26 mg/L
Freshwater sediments	1.25 mg/kg
Marine water	0.026 mg/L
Marine sediments	0.125 mg/kg
Microorganisms in sewage treatment	650 mg/L
Soil (agricultural)	0.16 mg/kg

### 8.2. Exposure controls

To prevent occupational risks the health hazards for this product or any of the ingredients should be taken into account (see sections 2, 3 and 11), according to EU Directive 89/391 and 98/24 and national jurisdiction for occupational risks.

#### 8.2.1. Appropriate engineering controls

Handle in premises with good ventilation.

Use local exhaust ventilation.

Emergency showers and eye-rinsing facilities must be available at the workplace.

#### Eye/face protection

Use protective glasses with tight seals according to standard EN166.

#### Skin protection

Wear suitable protective clothing when necessary.

Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Glove material	Glove thickness	Breakthrough time
Polymer laminate	Not indicated	≥ 480 min
Butyl rubber	≥ 0,5 mm	≥ 480 min

#### Respiratory protection

Use proper protective breathing equipment in case of insufficient ventilation.

It is recommended to use gas filter AX (brown) if ventilation is inadequate.

For prolonged exposure, use a positive-pressure air-supplied respirator.

#### 8.2.3. Environmental exposure controls

Work with the product should take place in such a way that the product does not get into drains, waterways, soil and air.

## SECTION 9: Physical and chemical properties

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

a) Appearance	Form: liquid. Colour: colourless.
b) Odour	characteristic
c) Odour threshold	Not indicated
d) pH	Not indicated
e) Melting point/freezing point	Not indicated
f) Initial boiling point and boiling range	71 °C
g) Flash point	20 °C closed cup
h) Evaporation rate	Not indicated
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Lower explosion limit 0.04%
k) Vapour pressure	Not indicated
l) Vapour density	1 Air = 1
m) Relative density	0.86
n) Solubility	Not indicated
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not indicated
q) Decomposition temperature	Not indicated
r) Viscosity	300 - 400 mPa·s
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Vapour can create explosive mixtures with air.

### 10.2. Chemical stability

The product is stable at normal storage and handling conditions.

### 10.3. Possibility of hazardous reactions

May emit volatile, flammable vapours. Avoid handling close to heat or ignition sources.

### 10.4. Conditions to avoid

Avoid heat, sparks and open flames.  
Protect from heat and direct sunlight.

### 10.5. Incompatible materials

Avoid contact with oxidizers.  
Avoid contact with acids.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Not indicated.

### Acute toxicity

The product is not classified as acutely toxic.

### ACETONE

LD50 rabbit 24h: 20000 mg/kg Dermally  
LD50 rabbit 24h: > 15700 mg/kg Dermally  
LC50 rat 4h: 76 mg/L Inhalation  
LD50 rat 24h: 5800 mg/kg Orally

## **ETHYL ACETATE**

LD50 rabbit 24h: > 18000 mg/kg Dermally  
LD50 rat 24h: > 18 g/kg Dermally  
LC50 rat 4h: 4000 ppm Inhalation  
LC50 rat 1h: 200 mg/L Inhalation  
LC50 rat 8h: 5.86 mg/L Inhalation  
LD50 Mouse 24h: 4100 mg/kg Orally  
LD50 rabbit 24h: 4935 mg/kg Orally  
LD50 rat 24h: 5620 mg/kg Orally

### **Skin corrosion/irritation**

The product is neither corrosive nor irritant.

### **Serious eye damage/irritation**

Eye contact may cause burning pain or irritation.

### **Respiratory or skin sensitisation**

The product does not contain any known allergens.

### **Germ cell mutagenicity**

No mutagenic effects have been reported for the substance in this mixture.

### **Carcinogenicity**

No carcinogenic effects have been reported for the substances in this product.

### **Reproductive toxicity**

No toxic effects to reproduction have been reported for the substances in this mixture.

### **STOT-single exposure**

Fumes may cause drowsiness or grogginess.

### **STOT-repeated exposure**

The criteria for classification cannot be considered fulfilled based on available data.

Prolonged or repeated inhalation of solvents may cause headache, dizziness, fatigue and possible damage to the central nervous system.

### **Aspiration hazard**

The product is not classified as being toxic for aspiration.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Prevent release on land, in water and drains.

The product is not to be labelled as an environmental hazard. However, it is not inconceivable that large emissions, or repeated small emissions, can have a harmful effect on the environment.

### **ACETONE**

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96h: 5540 mg/L  
LC50 fathead minnow (*Pimephales promelas*) 96h: 7163 mg/l  
EC50 Algae 48 h: 3400 mg/L  
LC50 Freshwater water flea (*Daphnia magna*) 48h: 6100 mg/L  
LC50 Bluegill (*Lepomis macrochirus*) 96h: 8300 mg/l  
EC50 Freshwater water flea (*Daphnia magna*) 48 h: 23.5 mg/L  
NOEC Freshwater water flea (*Daphnia magna*) 21d: > 79 mg/l  
LC50 Water flea (*Daphnia pulex*) 48h: 8800 mg/l

### **ETHYL ACETATE**

LC50 Freshwater water flea (*Daphnia magna*) 48h: 717 mg/L  
LC50 Fish 96h: 230 mg/L  
IC50 Algae 72h: 3300 mg/L

### **12.2. Persistence and degradability**

The product degrades in the natural environment.

### **12.3. Bioaccumulative potential**

This product or its constituents are not expected to accumulate in nature.

### **12.4. Mobility in soil**

Information about mobility in nature is not available.



## 12.5. Results of PBT and vPvB assessment

This product does not contain any substances that are assessed to be a PBT or a vPvB.

## 12.6. Other adverse effects

No known effects or hazards.

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

### Waste handling of the product

Avoid discharge into sewers.

Discarded products must be disposed of as hazardous waste in accordance with regulations.

Not completely emptied packaging can contain remnants of dangerous substances and should therefore be handled as hazardous waste according to the above. Completely emptied packaging can be recycled.

Observe local regulations.

See also national waste regulations.

### Classification according to 2008/98

Recommended LoW-code: 16 05 08 Discarded organic chemicals consisting of or containing dangerous substances

# SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

## 14.1. UN number

1993

## 14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (ACETONE, ETHYL ACETATE)

## 14.3. Transport hazard class(es)

### Class

3: Flammable liquids

### Classification code (ADR/RID)

F1: Flammable liquids having a flash-point of or below 60 °C

### Subsidiary risk (IMDG)

No subsidiary risk according to IMDG

### Labels



## 14.4. Packing group

Packing group II

## 14.5. Environmental hazards

Not applicable

## 14.6. Special precautions for user

### Tunnel restrictions

Tunnel category: D/E

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

Not applicable

## 14.8 Other transport information

Transport category: 2; Highest total quantity per transported unit 333 kg or liters

Stowage category B (IMDG)

Emergency Schedule (EmS) for FIRE (IMDG) F-E

Emergency Schedule (EmS) for SPILLAGE (IMDG) S-E

## SECTION 15: Regulatory information

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

Not indicated.

### 15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

## SECTION 16: Other information

### 16a. Indication of where changes have been made to the previous version of the safety data sheet

#### Revisions of this document

Earlier versions

2018-11-06 Changes in section(s) 2, 4, 5, 6, 7, 8, 10, 11, 12, 13.

### 16b. Legend to abbreviations and acronyms used in the safety data sheet

#### Full texts for Hazard Class and Category Code mentioned in section 3

Flam Liq 2	Flammable liquids (Category 2)
Eye Irrit 2	Irritates eyes (Category 2)
STOT SE <i>3drow</i>	Specific target organ toxicity - Single exposure (Category 3, Narcosis effect)

#### Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road

RID Regulations concerning the International Transport of Dangerous Goods by Rail

IMDG International Maritime Dangerous Goods Code

ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)

IATA The International Air Transport Association

Tunnel restriction code: D/E; Transport by bulk or via tank: Passage forbidden through tunnels of category D and E, Other transportation means: Passage forbidden through tunnels of category E

Transport category: 2; Highest total quantity per transported unit 333 kg or liters

### 16c. Key literature references and sources for data

#### Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2019-10-23.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

### Full texts for Regulations mentioned in this Safety Data Sheet

- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
- 2015/830 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)
- 1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- EH40/2005 EH40/2005 Workplace exposure limits
- 2008/98 DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives
- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

### 16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.

### 16e. List of relevant hazard statements and/or precautionary statements

#### Full texts for hazard statements mentioned in section 3

- H225 Highly flammable liquid and vapour
- EUH066 Repeated exposure may cause skin dryness or cracking
- H319 Causes serious eye irritation
- H336 May cause drowsiness or dizziness

### 16f. Advice on any training appropriate for workers to ensure protection of human health and the environment

#### Warning for misuse

This product can cause harm if used improperly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with its intended use.

#### Other relevant information

Not indicated

#### Editorial information



This material safety data sheet has been prepared and checked by KemRisk®, KemRisk Sweden AB, Platensgatan 8, SE-582 20 Linköping, Sweden, [www.kemrisk.se](http://www.kemrisk.se)