

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Name: Gel Polish Remover
ID-No.: FL.100.013

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

Disinfectant/Solvent

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Nail Universe, Nadine Munz, Friedrich-List-Str. 2, 73760 Ostfildern, Germany
Telephone: 0049 711 45146122, E-mail (competent person): info@nail-universe.de
Website: <https://nail-universe.de>

1.4. Emergency number

BBGes – Institut für Toxikologie / Giftnotruf Berlin, E-mail: mail@giftnotruf.de
Telephone: 0049 3019240 (not free of charge)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008:

Flammable Liquids 2, H225; Eye Irrit.2, H319; Specific target organ toxicity 3, H336

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07



GHS02

Signal Word:	Attention	
Hazard statements:	H225 H319 H336	Highly flammable liquid and vapour Causes serious eye irritation May cause drowsiness or dizziness
Precautionary statements:	P210 P233 P240 P241 P242 P243 P261 P264 P271 P272 P273 P280 P302+352 P305+351+338 P313 P321 P335+313 P337+313 P362 P363 P405 P501	Keep away from heat, hot surface, open flames – No Smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lightning, ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. P272: Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye Protection/face protection. IF ON SKIN: Wash with plenty of water and soap. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice if you feel unwell. Specific treatment (see on MSDS) IF ON SKIN: get medical advice/attention. If eye irritation persists: Get medical advice. Take off contaminated clothing. Wash contaminated clothing before reuse. Store locked up. Dispose of contents to comply with locals, state and federal regulations.

2.3. Other hazards

No particular dangers to mention.

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

Material:	CAS-No.:	Concentration:	Classification: EC 1272/2008 (CLP):
Aceton	67-64-1	50-100%	H225; H319; H336
Parfum	-	<0,1%	-
C118050	3734-67-6	<0,1%	-

(Full text of H- and EUH-phrases: see section 16.)

SECTION 4: First aid measures**4.1. Description of first aid measures**

General information:	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off contaminated, soaked clothes immediately
Following inhalation:	There are no special steps required. If symptoms persist, consult a doctor.
Following skin contact:	After contact with skin, wash immediately with plenty of soap and water. In case of skin irritation consult a doctor.
After eye contact:	In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes with the eyelid wide open. If symptoms persist, consult a doctor.
After ingestion:	Rinse mouth with plenty of water and drink a lot. If symptoms persist, consult a doctor

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media:	Water spray Polyvalent foam Alcohol-resistant foam BC-Powder Carbon dioxide
Unsuitable extinguishing media:	Solid water jet ineffective as extinguishing medium

5.2. Special hazards arising from the substance or mixture

Fire hazard: Direct Fire Hazard. Highly flammable. Gas/vapor flammable with air within explosion limits. Indirect Fire Hazard. May be ignited by sparks. Gas/vapor spreads on floor level: ignition hazard

Explosion hazard: Direct Explosion Hazard. Gas/vapour explosive with air within explosion limits. Indirect Explosion Hazard. May be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard"

Reactivity: Upon combustion: CO and CO₂ are formed. Violent to explosive reaction with (strong) oxidizers. Prolonged storage in large quantities: may form peroxides.

5.3. Advice for firefighters

General information

Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat.

Special protective equipment for firefighters:

Heat/Fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. See "Material-Handling" to select protective clothing

Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion-proof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.

6.2. Environmental precautions

Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For Containment:

Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute/disperse combustible gas/vapour with water curtain. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills

For cleaning up:

Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

There are no special steps required

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advices on safe handling:

Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Handle uncleaned empty containers as full ones. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Do not use compressed air for pumping over. Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Measure the concentration in the air regularly. Work under local exhaust/ventilation

Precautions against fire and explosion:

No special fire protection measures are required

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Incompatible products: Ammonia. Strong acids. Strong oxidizers.

Incompatible materials: Direct sunlight. Heat sources. Sources of ignition.

Heat Ignition: KEEP SUBSTANCE AWAY FROM: heat sources. Ignition sources.

Prohibitions on mixed storage: KEEP SUBSTANCE AWAY FROM: oxidizing agents. Strong acids. Strong bases. Amines. Halogens.

Storage area: Store in a cool area. Store in a dry area. Ventilation on floor level. Fireproof storeroom.

Provide for an automatic sprinkler system. Provide for a tub of to collect spills. Provide the Tank with earthing. May be stored under nitrogen. Meet the legal requirements.

Special rules on packaging: SPECIAL REQUIREMENTS: closing. With pressure relief valve. Dry. Clean. Correctly labelled. Meet the legal requirements. Secure fragile packagings in solid containers.

Packaging materials: SUITABLE MATERIALS: Stainless steel. Monel steel. Carbon steel. Copper. Nickel. Bronze. Glass. Teflon. Polyethylene. Polypropylene. Zinc. MATERIAL TO AVOID: Steel with rubber inner lining. Aluminium.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Derived No Effect Level (DNEL)

Worker DNEL, acute Local effects inhalation 2420 mg/m³

Worker DNEL, longterm Systemic effects dermal 186 mg/kg Body weight

Worker DNEL, longterm Systemic effects inhalation 1210 mg/m³

Consumer DNEL, longterm Systemic effects dermal 62 mg/kg Body weight

Consumer DNEL, longterm Systemic effects inhalation 200 mg/m³

Consumer DNEL, longterm Systemic effects oral 62 mg/kg Body weight

Predicted No Effect Concentration (PNEC)

PNEC Fresh water 10,6 mg/l

PNEC Marine water 1,06 mg/l

PNEC Fresh water sediment 30,4 mg/kg

PNEC Marine sediment 3,04 mg/kg

PNEC Soil 29,5 mg/kg

PNEC Sewage treatment plant 100 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

General protection and hygiene measures:

Do not eat, drink, smoke or sniff at the workplace.

Wash hands before breaks and at the end of work.

Use skin care products after work.

Dirty clothes should be washed before reuse

Personal protection equipment:

Safety glasses. Gloves. Protective clothing. Face shield. Gas mask with filter type A

Respiratory protection:

Gas mask with filter type A

Hand protection:

Gloves

Eye/face protection:

Wear safety glasses

Body protection:

Protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: Liquid

Colour: Red

Odour: Like Fruit

Odour threshold: 0,1 ppm/662,5 ppm

Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:		5-6 at 395 g/l		
Melting point/freezing point:		-95,4 °C		
Initial boiling point and boiling range:		56,2 °C (1013hPa)		
Flash point:		< -20 °C		
Evaporation rate:		n.a.		
Flammability (solid, gas):		n.a.		
Explosive properties:		n.a.		
Lower flammability or explosive limits:		2,6% (V)		
Upper flammability or explosive limits:		12,8% (V)		
Vapour pressure:		233 hPa (20 °C)		
Vapour density:		2.1		
Relative density:		0.79		
Density:		n.a.		
Solubility(ies):		Soluble in water/ethanol/ ether/aceton		
Water solubility:		Complete		

SECTION 10: Stability and reactivity**10.1 Conditions to avoid**

Direct UV / Sunlight, extreme temperatures, open flames, strong oxidizers, strong acids.

10.2. Incompatible materials

Alkalis / Metal / Peroxides

10.3. Hazardous decomposition products

Carbon dioxide, Carbon monoxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute oral toxicity

LD50 Rat: 5.800 mg/kg
(ECHA)

Symptoms: Stomach/intestinal disorders, Risk of aspiration upon vomiting., Pulmonary failure possible after aspiration of vomit.

Acute inhalation toxicity

LC50 Rat: 76 mg/l; 4 h ; vapour
(Lit.)

Symptoms: mucosal irritations

Acute dermal toxicity

LD50 Rabbit: 20.000 mg/kg
(IUCLID)

Skin irritation

Rabbit

Result: No irritation

(External MSDS)

Repeated exposure may cause skin dryness or cracking.

Eye irritation

Rabbit

Result: Eye irritation
(External MSDS)
Causes serious eye irritation.
Risk of corneal clouding.

Sensitisation
Maximisation Test Guinea pig
Result: negative
(ECHA)

Germ cell mutagenicity
Genotoxicity in vivo
Micronucleus test
Result: negative
(National Toxicology Program)
Genotoxicity in vitro
Mutagenicity (mammal cell test): chromosome aberration.
Result: negative
Method: OECD Test Guideline 473
Ames test
Salmonella typhimurium
Result: negative
Method: OECD Test Guideline 471

Carcinogenicity
Did not show carcinogenic effects in animal experiments. (IUCLID)

Reproductive toxicity
This information is not available.

Teratogenicity
This information is not available.

Specific target organ toxicity - single exposure
May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure
This information is not available.

Aspiration hazard
This information is not available.

Target Organs: Central nervous system

11.2 Further Information

After absorption:
Headache, Salivation, Nausea, Vomiting, Dizziness, narcosis, Coma
Other dangerous properties can not be excluded.
Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
LC50 *Oncorhynchus mykiss* (rainbow trout): 5.540 mg/l; 96 h
(Lit.)
Toxicity to daphnia and other aquatic invertebrates
EC50 *Daphnia magna* (Water flea): 6.100 mg/l; 48 h

(Lit.)
EC5 E.sulcatum: 28 mg/l; 72 h
(maximum permissible toxic concentration) (Lit.)
Toxicity to algae
NOEC M.aeruginosa: 530 mg/l; 8 d
Analytical monitoring: no
DIN 38412
(maximum permissible toxic concentration) (IUCLID)
Toxicity to bacteria
EC50 activated sludge: 59 - 67,4 mg/l; 30 min
(Lit.)
EC5 Pseudomonas putida: 1.700 mg/l; 16 h
(maximum permissible toxic concentration) (IUCLID)

12.2 Persistence and degradability

Biodegradability
91 %; 28 d
(IUCLID)
Readily biodegradable
Biochemical Oxygen Demand (BOD)
1.850 mg/g (5 d)
(IUCLID)
Chemical Oxygen Demand (COD)
2.070 mg/g
(IUCLID)
Theoretical oxygen demand (ThOD)
2.200 mg/g
(Lit.)

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water
log Pow: -0,24
(experimental)
Bioaccumulation is not expected. (Lit.)

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

12.6 Other adverse effects

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:
Dispose according to EC Directives 75/442 / EEC and 91/689 / EEC on waste and on hazardous waste in their current versions. Can be disposed of on a landfill.

Appropriate disposal / Package:
Non-contaminated and emptied packaging can be recycled. Contaminated packaging should be handled like the substance.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN number	UN 1090
14.2 Proper shipping name	ACETONE
14.3 Class	3
14.4 Packing group	II
14.5 Environmentally hazardous	--
14.6 Special precautions for user	yes
Tunnel restriction code	D/E

Inland waterway transport (ADN)

Not relevant

Air transport (IATA)

14.1 UN number	UN 1090
14.2 Proper shipping name	ACETONE
14.3 Class	3
14.4 Packing group	II
14.5 Environmentally hazardous	--
14.6 Special precautions for user	no

Sea transport (IMDG)

14.1 UN number	UN 1090
14.2 Proper shipping name	ACETONE
14.3 Class	3
14.4 Packing group	II
14.5 Environmentally hazardous	--
14.6 Special precautions for user	yes

EmS F-E S-D

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information**15.1. Classification**

This product is classified and adapted to EC directives

EU regulations

Major Accident Hazard Legislation	Seveso III Flammable liquids
Occupational restrictions	Take note of Dir 94/33/EC on the protection of young people at work.

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC not regulated

Substances of very high concern (SVHC) This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of $\geq 0.1\%$ (w/w).

National legislation

Storage Class: class 3

Only for professional use!

Pay Attention to the application instructions!

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance:

No chemical safety assessment is required for this substance

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness.