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

1.1. Product identifier

Name: Cleaner
ID-No.: FL.100.014

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. Emergencynumber

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; Respiratory Irrit.1,H335

2.2. Label elements

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

GHS07 GHS02

Signal Word:	Attention	
Hazard statements:	H225 H319 H335	Highly flammable liquid and vapour Causes serious eye irritation May cause respiratory irritation
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 throughly 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 Protaction/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 rising. Get medical advice if you feel unwell. Specific treatment (see on MSDS) IF ON SKIN: get medical advice/attention. If eye irritation persist: 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):
Isopropanol	67-63-0	50-100%	H225; H319; H335
Water	7735-18-5	25-50%	-
CI42090	3844-45-9	<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 spells. 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

ACGIH/ ACGIH TWA (ppm)/ 200 ppm (2-propanol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH/ ACGIH STEL (ppm)/ 400 ppm (2-propanol; USA; Short time value; TLV - Adopted Value)
OSHA/ OSHA PEL (TWA) (mg/M³)/ 980mg/m³
OSHA/ OSHA PEL (TWA) (ppm)/ 400ppm
IDLH/ US IDLH (ppm)/ 2000ppm
NIOSH/ NIOSH REL (TWA) (mg/M³)/ 980mg/m³
NIOSH/ NIOSH REL (TWA) (ppm)/ 400ppm
NIOSH/ NIOSH REL (STEL) (mg/m³)/ 1225mg/m³
NIOSH/ NIOSH REL (STEL) (ppm)/ 500ppm

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: Blue
Odour: Alcohol odour Stuffy odour Mild odour / Ketone
Odour threshold: 3-610 ppm / 8-1499 mg/m³

Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:		n.a.		
Melting point/freezing point:		-88°C		
Initial boiling point and boiling range:		82°C (1013hPa)		
Flash point:		12°C		
Evaporation rate:		2.3		
Flammability (solid, gas):		n.a.		
Explosive properties:		n.a.		
Lower flammability or explosive limits:		n.a.		
Upper flammability or explosive limits:		n.a.		
Vapour pressure:		44hPa (20°C)		
Vapour density:		2.1		
Relative density:		0.79		
Density:		n.a.		
Solubility(ies):		Soluble in water/ethanol/ether/aceton		
Water solubility:		Complete		
Partition coefficient: n-octanol/water:		n.a.		
Auto-ignition temperature:		399°C		
Decomposition temperature:		n.a.		
Viscosity:		2.5316mm²/s		
Oxidising properties:		n.a.		

SECTION 10: Stability and reactivity

10.1 Conditions to avoid
Direct UV / Sunlight, exteme 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
N/A

SECTION 12: Ecological information

Avoid release to the environment
No relevant environmental data known

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

Department of Transportation (DOT)

In accordance with DOT

Transport document description :	UN1219 Isopropyl alcohol, 3. II
UN-No. (DOT) :	UN1219
Proper Shipping Name (DOT) :	Isopropyl alcohol
Transport hazard class(es) (DOT) :	3–Class 3–Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) :	II – Medium Danger
Hazard labels (DOT) :	3 – Flammable liquid

DOT Packaging Non Bulk (49 CFR 173.202)
DOT Packaging Bulk (49 CFR 173.242)

DOT Special Provisions (49 CFR 172.102)
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal.....178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.4b;150)
DOT Quantity Limitations Passengers aircraft/rail (49 CFR 173.27): 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 60L

DOT Vessel Stowage Location
B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Other information: no supplementary information available

15.1. Classification

This product is classified and adapted to EC directives

National regulations:
Observe in addition any national regulations!
Water Hazard class: class 1

Only for commercial 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
H335	May cause respiratory irritation