

Safety Data Sheet

in accordance with Regulation (EC) No 1907/2006 (REACH)

Isopropyl alcohol

Version number: GHS 3.0
Replaces the version from: 03.01.2023 (GHS 2)

Revision: 20.10.2023

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

1.1Product identification

Trade name **Isopropyl alcohol**
Registration number (REACH)not relevant (mixture)
Product code(s)90534

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

Relevant identified useprofessional use
Industrial use
Do not recommend useNot to be used for private purposes (homeware
).

1.3Details of the provider of the safety data sheet

BÜFA Cleaning Netherlands B.V.
Ettenseweg 34
4706 PB Roosendaal
Netherlands

Phone: +31 885880100
Email: msds@buefa.nl
Website: www.buefa-cleaning.nl

1.4Emergency phone number

Emergency information service for the emergency services
This number is for medical emergencies only-
Len.

Poison control center		
CountryNamePhone		
NetherlandsNational Poisons Information Centre (NVIC)	+31 (0)88 755 8000	

SECTION 2: Hazard identification

2.1Classification of the substance or mixture

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

HeadingHazard ClassCatego-	Rie	Hazard class and ca-Tegory	Hazard Evidence
2.6flammable liquid2Flam. Liq. 2H225			
3.3serious eye damage/eye irritation2Eye Irrit. 2H319			
3.8DSpecific target organ toxicity in single exposure (narcotizing effect, drowsiness)	3STOT SE 3H336		

See SECTION 16 for the full text of H and EUH phrases (hazard statements).

The main adverse physicochemical, health and environmental effects
Product is flammable and can be ignited by potential ignition sources.

2.2Label elements

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Labelling in accordance with Regulation (EC) No 1272/2008 (CLP)

- Signal word danger

-Icons

GHS02, GHS07



- Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

-Safety phrases

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P312 If you feel unwell, call a POISON CENTRE/doctor.

P370+P378 In case of fire: extinguish with sand, carbon dioxide or extinguishing powder.

P403+P233 Store in a well-ventilated place. Store in tightly closed containers.

P403+P235 Store in a well-ventilated place. Keep refrigerated.

P501 Dispose of contents/container to take hazardous or special waste collection point.

- Hazardous ingredients for labeling propane-2-ol

2.3 Other hazards

Results of PBT and vPvB assessment

This mixture does not contain any substances that are considered to be a PBT or vPvB substance after evaluation.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.

SECTION 3: Composition and information on ingredients

3.1 Substances

Not relevant (mixture)

Molecular formula C_3H_8O

Molar mass 60.1

g/mole

3.2 Mixtures

Description of the mixture

Name of substance	Identification by weight	Classification according to	stg ghs	Icons	Notes
propane-2-ol	CAS No 67-63-0 EC No 200-661-7 Catalogue no. 603-117-00-0 REACH reg. no. 01-2119457558-25-XXXX	≥ 90 Flam.	Liq. 2 / H225 Eye Irrit. 2 / H319 STOT SE 3 / H336	 	GHS-HC

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Nuts

GHS-HC: harmonised classification (the classification of the substance is according to the note in the list according to 1272/2008/EC, Annex VI)

See SECTION 16 for the full text of H-phrases (hazard statements).

SECTION 4: First aid measures

4.1 Description of the first aid measures

General comments

Do not leave the victim unattended. Move victim out of harm's way. Keep the victim warm, restful, and covered. In the event of an accident or if you feel unwell, seek medical advice immediately (if possible, consult a doctor). this label). Remove contaminated clothing immediately. In case of doubt or persistent symptoms, consult a doctor consult. In case of unconsciousness, place the victim in a recovery position. Do not administer anything by mouth.

If inhaled

In case of irregular breathing or respiratory arrest, consult a doctor immediately and administer first aid. For fresh air care.

In case of skin contact

Wash with plenty of soap and water.

In case of eye contact

Remove contact lenses, if possible. Keep rinsing. Splash for at least 10 minutes with clean, flowing water. while keeping the eyelids open.

If swallowed

Rinse mouth with water (only if the person is conscious). DO NOT induce vomiting.

Self-protection for the first responder

Measures for adequate ventilation. Wear appropriate protective clothing, gloves and protective clothing. eye/face agent.

4.2 Main acute and delayed symptoms and effects

Narcotic effect.

4.3 Indication of any immediate medical care and special treatment required treatment

no

HEADING 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing agents

Spray water, Alcohol resistant foam, BC powder, Carbon dioxide (CO2)

Unsuitable extinguishing agents

Full water jet

5.2 Special hazards caused by the substance or mixture

In the event of inadequate ventilation and/or the use of explosive/highly flammable vapour-air mixtures, explosive vapour-air mixture. Solvent vapours are heavier than air and can spread across the floor. In places where ventilation is not possible, such as un-aerated underground places, e.g. wells, ducts and shafts, with the presence of flammable substances.

Hazardous combustion products

Carbon monoxide (CO), carbon dioxide (CO2)

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5.3 Advice for firefighters

In the event of fire and/or explosion, avoid inhaling smoke. fire-fighting measures on the environment. vote. Do not allow extinguishing water to flow into sewers or surface water. Contaminated firefighting water collected separately. Len. Extinguish with normal precautions from a reasonable distance. Self-contained breathing apparatus (SCBA). SCBA with a chemical-protective suit if personal (direct) contact is likely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For persons other than the emergency services

Follow emergency procedures such as the need to evacuate the danger zone or consult an expert. Person safety. Measures for adequate ventilation. Avoid skin contact. Do not inhale spray. Bee-bringing together and using expertise.

For the emergency services

Wear respirators when exposed to vapors/dust particles/aerosols/gases. Wearing passes-protective equipment (including the personal protective equipment listed in heading 8 of the Safety information sheet) to prevent contamination of the skin, eyes and your own clothing.

6.2 Environmental precautions

Avoid spilling the product into drains, surface water or groundwater. Contaminated washing water Hold back and delete. Have the responsible authority warn if the substance enters the water or sewer

6.3 Containment and cleaning methods and material

Advice on how to enclose the spilled product

Covering drainage ducts

Advice on how to clean up the spill

Wipe with absorbent material (e.g. cloth, fleece). Cleaning up spills: sawdust, diatomite, diatomite, sand, universal binder

Appropriate containment methods

Use of absorbent materials.

Other information relating to the discharge or release of the

Place in suitable containers for disposal. Ventilate the affected area.

6.4 Reference to other headings

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Chemically on each other Materials incorporated: see section 10. Disposal instructions: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for the safe handling of the substance or mixture

Recommendations

- Measures to prevent fire and aerosol or dust formation

Use of local and general ventilation. Prevention of ignition sources. Keep away from ignited

Sources - No smoking. Take precautions against static discharges. Exclusively

Use in well-ventilated places. Due to explosion hazard, prevent the release of fumes in basements, shafts and pits. Grounding storage and collection reservoir. Explosion-proof electrical/ventilation/lighting/equipment use rature. Use only non-sparking tools.

- Specific comments/data

In places where ventilation is not possible, such as unaerated underground places, e.g. wells, ducts and chirping the presence of combustible substances must be taken into account. Vapors are heavier than air, disperse through the ground and together with air form an explosive mixture. Vapors, together with air, can cause an explosive mixture.

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Advice on general occupational hygiene

Wash hands after use. Do not eat, drink or smoke in places where work is being done. Contaminated clothing and Remove protected equipment before entering areas where food is being eaten. Do not eat and drink together with storing chemicals. Do not use food containers for chemical substances.
. Keep away from food and drink and animal feed.

7.2 Conditions for safe storage, including incompatible products

Managing the associated risks

- Explosive atmospheres

Store closed container in a well-ventilated place. Use of local and general ventilation. Cool preserve. Protect from sunlight.

- Flammability hazard

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, von-open flames and other sources of ignition. No smoking. Take precautions against discharges of static electricity. Protect from sunlight.

Controlling the consequences

Protect from sunlight.

- Ventilation requirements

Use of local and general ventilation. Grounding storage and collection reservoir.

- Compatible packaging

Keep only in the original packaging. Only authorised packaging (e.g. in accordance with ADR) can be used in the same way.

7.3 Specific end-use

Professional use. Industrial use.

SECTION 8: Exposure control measures/personal protection

8.1 Control parameters

National limit values

Occupational exposure limits (occupational exposure limits)

Occupational exposure limits (occupational exposure limits)

This information is not available

Values regarding human health

Relevant DNEL and other thresholds				
Endpoint	Threshold	Protection Purpose-position, route of the exposure	Used in	Duration of exposure
DNEL	500 mg/m ³	mens, through inhalation (industrial) employees	chronic - systemic ef-	fects
DNEL	888 mg/kg bw/Day	person, through the skin (industrial) employees	chronic - systemic ef-	fects

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Relevant DNEL's of components of the mixture

Substance Name	CAS No	Terminal point	Threshold-value	Protection-objective route of the exposure	Used inExposure-	expensive
propane-2-ol	67-63-0	DNEL500 mg/m³	mens, via inade-	Ming	(industrial) Workers	chronic - syste-Effects
propane-2-ol	67-63-0	DNEL888 mg/kg	lg/day	human being, through the skin (industrial)	Workers	chronic - syste-Effects

Environmental values

Relevant PNEC and other thresholds

Endpoint	Threshold the	Organism	Environmental compartments	Duration of exposure
PNEC140.9	Mg/l	aquatic organisms	freshwater	short-term (one-off)
PNEC140.9	Mg/l	aquatic organisms	seawater	short-term (one-off)
PNEC2.251	Mg/l	Aquatic organisms	sewage treatment plants (STP)	short-term (one-off)
PNEC552	Mg/kg	aquatic organisms	freshwater sediments	short-term (one-off)
PNEC552	Mg/kg	aquatic organisms	seawater sediments	short-term (one-off)
PNEC28	Mg/kg	terrestrial organisms	soil	short-term (one-off)

Relevant PNECs of components of the mixture

Substance Name	CAS No	Terminal point	Threshold-value	Organism	Environmental Partnership Measures	Exposure expensive
propane-2-ol	67-63-0	PNEC140.9	Mg/l	water organis-one	freshwater	short-term (a-malig)
propane-2-ol	67-63-0	PNEC140.9	Mg/l	water organis-one	seawater	short-term (a-malig)
propane-2-ol	67-63-0	PNEC2.251	Mg/l	water organis-one	Sewage water drainage Plants (STP)	short-term (a-malig)
propane-2-ol	67-63-0	PNEC552	Mg/kg	water organis-one	freshwater sedi-ment	short-term (a-malig)
propane-2-ol	67-63-0	PNEC552	Mg/kg	water organis-one	seawater sediments	short-term (a-malig)
propane-2-ol	67-63-0	PNEC28	Mg/kg	terrestrial or-ganisms	short-term soil	(a-malig)

8.2Exposure control measures

Appropriate technical measures

General ventilation.

Personal protection measures (personal protective equipment)

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Eye/face protection

Wear eye protection/face protection. Wear safety glasses with side protection.

Skin protection

- Protection of the hands

Wear suitable gloves. Gloves against chemicals are tested in accordance with EN 374. For use. If the gloves are reused, clean before taking off and then let it air well. It is recommended to increase the chemical resistance in special applications of the above-mentioned safety gloves together with the supplier of the gloves.

- Type of material

NBR: acrylonitrile-butadiene rubber

- Material thickness

> 0.35 mm

- Breakthrough time of the glove material

>480 minutes (permeation level: 6)

- Other protective equipment

Protective clothing against liquid chemicals. Footwear for protection against chemicals. Preventive Skin protection (skin protection creams) is recommended. Rest periods for skin regeneration
Sen. Wash hands thoroughly after use.

Protection of the respiratory organs

In case of inadequate ventilation, wear suitable respiratory protection. Type: ABEK (combination filter for gases and vapour, colour code: brown/grey/yellow/green).

Environmental exposure control

Take appropriate measures to prevent it from spreading into the environment. Avoid putting the product in drainage surface water or groundwater.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state fluid	
Colorless	
Odour characteristic	
Melting/freezing point-89 °C	
Boiling point or initial boiling point and boiling range82 – 83 °C	
Flammabilityflammable liquid according to GHS criteria	Teria
Lower and upper explosion limit2 vol% - 13 vol%	
Flash point12 °C	
Autoignition temperature425 °C	
pH value7 (in aqueous solution: 100	Mg/cm ³ , 20 °C)

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Kinematic viscosity2,66	mm ² /s
Solubility(s)	
Water solubility miscible in any ratio	
Partition coefficient	
Partition coefficient n-octanol/water (log value)	0.05 (20 °C)
Vapor pressure4.2 – 6 kPa	
	(calculated value, based on a stock part of the mixture)
Density and/or relative density	
Density0.8	g/cm ³
Relative vapour densityThere is no information on this property. Available	
Particle characteristicsnot relevant	
	(liquid)

9.2Other information

Information on physical hazard classesThere is no further information	
Other safety features	
MiscibilityFully miscible with water.	
VOC content100 %	

HEADING 10: Stability and reactivity

10.1Reactivity

For incompatible products, see "Conditions to be avoided" and "Chemically interacting materials" Rial". The mixture contains (a) reactive substance(s). Danger of ignition.

When heated:

Danger of inflammation

10.2Chemical stability

See under "Circumstances to be avoided".

10.3Possible Hazardous Reactions

No dangerous reactions known.

10.4Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Indications on how to avoid fire and explosions

Use explosion-proof electrical/ventilation/lighting/equipment. Only use non-sparking tools
Do. Take precautions against static discharges.

10.5 Chemically interacting materials

Oxidizers (oxidizing)

10.6 Hazardous decomposition products

Known and reasonably foreseeable dangerous decomposition products, which are
are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

No test data are available for the mixture as a whole.

Classification procedure

The method of classification of mixtures based on the components of the mixture (sum formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Cannot be classified as acutely toxic.

Skin corrosion/irritation

Cannot be classified as corrosive/irritating to the skin.

Serious eye damage/eye irritation

Causes severe eye irritation.

Sensitization of the respiratory tract or skin

Cannot be classified as an inhalation or skin allergen.

Mutagenicity in germ cells

Cannot be classified as mutagen in germ cells (mutagenic).

Carcinogenicity

Cannot be classified as carcinogenic.

Reproductive toxicity

Cannot be classified as a toxic substance for reproduction.

Specific target organ toxicity at single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity in repeated exposure

Cannot be classified as toxic to specific target organs (repeated exposure).

Danger by inhalation

Cannot be classified as dangerous in aspiration.

11.2 Information on other hazards

There is no further information.

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SECTION 12: Ecological information

12.1 Toxicity

Cannot be classified as hazardous to the aquatic environment.

(Acute) aquatic toxicity of components of the mixture

Substance Name	CAS No	Endpoint	Value	Species	Exposure	Duration
isopropanol	67-63-0	LC50	10,000		Mg/l	VIS96 H

Aquatic toxicity (chronic)

Endpoint	Value	Species	Exposure	Duration
LC50	>10,000		Mg/l	24 h
Invertebrate aquatic organism Nisamen				

(Chronic) aquatic toxicity of components of the mixture

Substance Name	CAS No	Endpoint	Value	Species	Exposure	Duration
isopropanol	67-63-0	LC50	>10,000		Mg/l	24 h
				Invertebrate aquatic organisms		

12.2 Persistence and degradability

Biodegradation

The relevant substances of the mixture are easily biodegradable.

Process of degradability

Process	Degradation speed	Time
Oxygen depletion	53 %	5 d

Degradability of the components in the mixture

Name of The fabric	CAS No	EC No	Process	Degradation	speed	Time	Method	Source
isopropanol	67-63-0	200-661-7	oxygen-de-	Pletion	53 %	5 d	ECHA	

12.3 Bioaccumulation

No data are available.

Bioaccumulation of the constituents in the mixture

Name of the substance	CAS No	BCF	Log KOW	BZV5/COD
isopropanol	67-63-0	0.05	(20 °C)	

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12.4 Mobility in soil

No data are available.

12.5 Results of PBT and vPvB assessment

The results of the evaluation of the substance show that this substance is not a PBT or vPvB substance. Does not contain PBT/vPvB substance at a concentration of $\geq 0.1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.

12.7 Other adverse effects

No data are available.

SECTION 13: Disposal Instructions

13.1 Waste treatment methods

Information on waste disposal

Solvent recovery/regeneration.

Information on wastewater discharge

Do not throw waste in the sink. Avoid release into the environment. Ask for special instructions/safety card.

Container/Packaging Waste Treatment

It is hazardous waste; only approved packaging (e.g. in accordance with ADR) may be used. Full-Empty packaging can be recycled. Contaminated packaging can be treated as the fabric itself.

Comments

Please note the relevant national or regional provisions. Waste is separated into the categories that are separated from the handled by the local or national waste management authorities.

SECTION 14: Information relating to transport

14.1 UN number or ID number

ADR/RID/ADNVN 1219

IMDG CodeVN 1219

ICAO-TIVN 1219

14.2 Correct cargo name in accordance with the Model UN Regulations

ADR/RID/ADNISOPROPANOL

IMDG-CodeISOPROPANOL

ICAO-TIIIsopropanol

14.3 Transport hazard class(es)

ADR/RID/ADN3

IMDG-Code3

ICAO-TI3

14.4 Packaging group

ADR/RID/ADNII

IMDG-CodeII

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ICAO-TIII

14.5 Environmental hazards

not hazardous to the environment, according to the
Dangerous goods transport notebooks

14.6 Special precautions for the user

The dangerous goods (ADR) regulations must also be complied with in the company.

14.7 Bulk maritime transport in accordance with IMO instruments

The cargo is not intended to be transported in bulk.

Information for each of the UN regulations

Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN) - Additional information

Classification code F1

Hazard labels 3



Special provisions 601

Exempt quantities (EQ) E2

Limited Quantities (LQ) 1 L

Transport category 2

Tunnel restriction code D/E

Hazard identification number (GEVI) 33

International Code for the Carriage of Dangerous Goods by Sea (IMDG) - Additional information

Marine pollutant (Marine Pollutant) -

Hazard labels 3



Special provisions -

Exempt quantities (EQ) E2

Limited Quantities (LQ) 1 L

EmSF-E, S-D

Stowage category B

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International Civil Aviation Organization (ICAO-IATA/DGR) - Additional Information

Hazard labels3



Special provisionsA180

Exempt quantities (EQ)E2

Limited Quantities (LQ)1 L

HEADING 15: Regulations

15.1 Specific safety, health and environmental regulations and legislation for the substance or mixture

Relevant European Union (EU) provisions

None of the ingredients are listed.

Restrictions according to REACH, Annex XVII

Restricted hazardous substances (REACH, Annex XVII)				
Name of the substance	Name according to inventory	CAS No	Limitation	No.
Isopropyl alcohol	this product meets the criteria classification of Regulation No. No 1272/2008/EC		R33	
Propane-2-ol	dit product meets the criteria classification of Regulation No. No 1272/2008/EC		R33	
propane-2-ol	flammable / pyrophor	R4040		
propan-2-ol	substances in inks for tattooing or permanent tattooing	Manent make-up	R7575	

Legend

R31. Should not be used:

- in decorative objects intended to obtain light or colour effects through different phases, for example in mood lamps and ashtrays
 - in joke and joke articles,
 - in games for one or more persons or in any object intended to be used as such, even if the they function as decorative objects.
2. Articles which do not comply with paragraph 1 may not be placed on the market.
3. Shall not be placed on the market if they contain a colouring matter, unless required for tax reasons, or if a or both, and if they:
- can be used as fuel in decorative oil lamps intended for the general public, and
 - are dangerous by inhalation and are labelled with H304.
4. Decorative oil lamps intended for the general public may be placed on the market only if they are comply with the European Standard on Decorative Oil Lamps adopted by the European Committee for Standardisation (CEN) (EN 14059).
5. Without prejudice to the application of other Union provisions on the classification, labelling and packaging of substance mixtures, suppliers must ensure that the products are submitted to the following requirements:
- (a) lamp oils labelled with H304 and intended for the general public shall be visible, legible and indistinguishable. bear the following statements: 'Lamps filled with this liquid shall be kept out of the reach of children. '; and, by 1 December 2010, 'A small sip of lamp oil — or just sucking on the wick of lamps — can make life cause threatening lung damage';
 - (b) Lighter liquids for barbecues labelled with H304 and intended for the general public must be legible and indelibly bear the following statement on 1 December 2010: 'A small sip of lighter fluid can be life-threatening lung damage';
 - (c) lamp oils and lighter liquids for barbecues labelled with H304 and intended for the general public shall be packed in black opaque containers of up to 1 litre by 1 December 2010 at the latest.

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R401. shall not be used as a substance or in mixtures in aerosols placed on the market for supply to the for entertainment or decoration purposes, such as:

- metallic glitter (mainly intended as a decorative item);
- artificial snow and frost (decorative article);
- "fart cushions" (joke article);
- "silly string" (joke article);
- fake turds (joke article);
- party horns (entertainment item);
- flakes and foam (decorative item);
- imitation cobwebs (joke article);
- stink bombs (joke article).

2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure that the packaging of the aerosols referred to above is visible, legible and indelible:

"Intended for professional users only".

3. However, points 1 and 2 shall not apply to aerosols referred to in Article 8(1a) of Council Directive 75/324/EEC (2).

4. The aerosols referred to in points 1 and 2 shall not be placed on the market unless they comply with the requirements set out in those regulations.

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R751. Shall not be placed on the market in mixtures containing such substances – may not be used for tattooing purposes after 4 January 2022 if the substance(s) in question is or are present, or if the following circumstances occur:

(a) in the case of a substance classified as carcinogenic in Part 3 of Annex VI to Regulation (EC) No 1272/2008 category 1A, 1B or 2 substance, or as a category 1A, 1B or 2 mutagenic substance for germ cells, the concentration of those substance in the mixture is equal to or greater than 0,00005 % by weight;

(b) in the case of a substance classified as toxic to the environment in Part 3 of Annex VI to Regulation (EC) No 1272/2008, category 1A, 1B or 2, the concentration of that substance in the mixture is equal to or greater than 0,001 % by weight of cent;

(c) in the case of a substance classified as a skin sensitizer of category 1, 1A or 1B, the concentration of that substance in the mixture is equal to or greater than 0,001 % by weight;

(d) in the case of a substance classified as corrosive to skin in Part 3 of Annex VI to Regulation (EC) No 1272/2008; category 1, 1A, 1B or 1C, or irritating to the skin, category 2, or for serious eye damage of category 1 or as an irritant to eyes, category 2, the concentration of that substance in the mixture is equal to or greater than:

(i) 0,1 % by weight, if the substance is used exclusively as a pH regulator;

(ii) 0,01 % by weight, in all other cases;

(e) in the case of a substance listed in Annex II to Regulation (EC) No 1223/2009 (*1), a concentration in the mixture equal to or greater than 0,00005 % by weight;

(f) in the case of a substance for which the following is referred to in column g (Product type, body parts) of the table in Annex IV to Regulation (EC) No 1223/2009 one or more of the following types of conditions is indicated, the concentration of the substance in the mixture equal to or greater than 0,00005 % by weight:

(i) "Rinse-off products";

(ii) "Do not use in products applied to mucous membranes";

(iii) "Do not use in eye products";

(g) in the case of a substance for which the maximum concentration in the ready-to-use product is referred to in column h (Maximum concentration) of the table in Annex IV to Regulation (EC) No 1223/2009 indicates a condition, the concentration of the substance in the mixture does not meet the condition set out in that column, or the substance otherwise fails to meet it;

(h) in the case of a substance listed in Appendix 13 to this Annex, the concentration of the substance in the mixture is equal to the concentration limit set out in that Appendix for that substance.

2. For the purposes of this entry, the use of a mixture 'for tattooing purposes' means: the injection or insertion of the mixture into a person's skin, mucous membranes or eyeball by means of a procedure (including procedures commonly referred to as "permanent make-up", cosmetic tattoos and 'microblading' and 'micropigmentation'), the purpose of which is to create a permanent mark or drawing on that person's body.

3. Where a substance not listed in Appendix 13 falls within more than one of points (a) to (g) of paragraph 1, the following shall apply: the strictest of the concentration limits set out in those points. If a substance listed in Appendix 13 falls within more than one of points (a) to (g) of point 1, the concentration rate set out in point 1(h) is the limit that applies to that substance.

4. By way of derogation, paragraph 1 shall not apply to the following substances until 4 January 2023:

(a) Pigment Blue 15:3 (CI 74160, EC No 205-685-1, CAS No 147-14-8);

(b) Pigment Green 7 (CI 74260, EC No 215-524-7, CAS No 1328-53-6).

5. Where Part 3 of Annex VI to Regulation (EC) No 1272/2008 is amended after 4 January 2021 and a substance is listed in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as amended, the concentration of that substance in the mixture shall be equal to or greater than the concentration limit set out in that Appendix for that substance as amended.

6. Where, after 4 January 2021, the entry of a substance in Annex II or Annex IV to Regulation (EC) No 1223/2009 is such that it is amended to include the substance in point (e), (f) or (g) of point 1 of this entry, or in a different point from the previous point; and if the amendment takes effect after the date of this entry referred to in point 1 or, as the case may be, point 4, that amendment shall be treated as becoming applicable for the purposes of the application of this entry to that substance, from the date falling 18 months after the entry into force of the act making that amendment.

7. Suppliers who place a mixture on the market for tattooing purposes after 4 January 2022 shall ensure that the information on the mixture:

(a) the text 'Mixture for use in tattoos or permanent make-up';

(b) a unique reference number for identification of the lot;

(c) the list of ingredients in accordance with the nomenclature established in the Glossary of Common Medicinal Products names of ingredients in accordance with Article 33 of Regulation (EC) No 1223/2009 or, in the absence of a common name, the IUPAC name. In the absence of a common name of ingredients or IUPAC designation, the CAS and EC number. The ingredients are listed in descending order of weight or volume of ingredients at the time of composition. 'Ingredient' means any substance that is used during the composition process. The mixture for tattooing purposes is added and is present therein. Impurities are not considered ingredients. If the name of a substance used as an ingredient within the meaning of this indication is already listed in the list of ingredients in accordance with Regulation (EC) No 1272/2008, that ingredient does not have to be listed in the list of ingredients;

(d) the additional indication 'pH regulator' for substances covered by paragraph 1(d)(ii);

(e) the statement 'Contains nickel. May cause allergic reactions.' if the mixture contains nickel under the conditions listed in Appendix 13 for that substance;

(f) the statement 'Contains hexavalent chromium (VI). May cause allergic reactions.' if the mixture contains chromium (VI) under the conditions listed in Appendix 13 for that substance;

(g) safety requirements for use, in so far as they are not already in place in accordance with Regulation (EC) No 1272/2008 for that substance.

Brought. The information shall be provided in the official language(s) of the Member State(s) where the mixture is marketed unless otherwise provided by the Member State(s) concerned.

If there is not enough space on the packaging for the information referred to in the first subparagraph, that information shall be provided in the instructions for use. The person administering the mixture shall provide the information indicated on the packaging or in the instructions for use in accordance with this point to the person who uses the mixture for tattooing purposes.

8. Mixtures without the words 'Mixture for use in tattoos or permanent make-up' shall not be used for tattooing purposes.

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den worden gebruikt.

9. Deze vermelding is niet van toepassing op stoffen die gassen zijn bij een temperatuur van 20 °C en druk van 101,3 kPa, of die een dampspanning genereren van meer dan 300 kPa bij een temperatuur van 50 °C, met uitzondering van formaldehyde (CAS-nr. 50-00-0, EG-nr. 200-001-8).

10. Deze vermelding is niet van toepassing op het in de handel brengen of het gebruiken van mengsels voor tatoeagedoeleinden die uitsluitend als medisch hulpmiddel of toebehoren van een medisch hulpmiddel in de zin van Verordening (EU) 2017/745 in de handel wordt gebracht of gebruikt. Wanneer een mengsel niet uitsluitend als medisch hulpmiddel of toebehoren van een medisch hulpmiddel in de handel is gebracht of kan worden gebruikt, zijn de voorschriften van Verordening (EU) 2017/745 en de voorschriften van deze verordening cumulatief van toepassing.

Lijst van autorisatieplichtige stoffen (REACH, bijlage XIV) / SVHC - kandidaat lijst

geen van de bestanddelen is vermeld

Decopaint-Richtlijn

VOS-gehalte100 %	
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Richtlijn over industrie emissie (IE-Richtlijn)

VOS-gehalte100 %	
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Richtlijn betreffende beperking van het gebruik van bepaalde gevaarlijke stoffen in elektrische en elektronische apparatuur (RoHS)

geen van de bestanddelen is vermeld

Verordening betreffende de instelling van een Europees register inzake de uitstoot en overbrenging van verontreinigende stoffen (PRTR)

geen van de bestanddelen is vermeld

Kaderrichtlijn water (KRW)

geen van de bestanddelen is vermeld

Verordening betreffende persistente organische verontreinigende stoffen (POP)

geen van de bestanddelen is vermeld

Nationale voorschriften (Nederland)

Algemene Beoordelingsmethodiek voor stoffen en preparaten (ABM)

Waterbezwaarlijkheid en saneringsinspanning		
Waterbe- zwaarlijk- heid	Aanduiding waterbezwaarlijkheidSaneringsinspan-	ning
B (5)weinig	schadelijk voor in water levende organismenB	

SZW-lijst CMR-effecten

geen van de bestanddelen is vermeld

Nationale inventarissen

Land	Lijst	Status
EU	REACH	Reg.alle bestanddelen zijn vermeld
US	TSCA	alle bestanddelen zijn vermeld (ACTIVE)

Legenda

REACH Reg.REACH geregistreerde stoffen
TSCAToxic Substance Control Act

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15.2 Chemische veiligheidsbeoordeling

Voor dit mengsel is door de leverancier geen chemische veiligheidsbeoordeling uitgevoerd.

RUBRIEK 16: Overige informatie

Vermelding van wijzigingen (herzien veiligheidsinformatieblad)

Rubriek	Eerdere vermelding (tekst/waarde)	Actuele vermelding (tekst/waarde)	Veiligheidsrelevante
1.1	Handelsnaam: Propan-2-ol	Handelsnaam: Isopropylalcohol	ja
1.1	Andere naam/namen: Isopropylalcohol, isopropanol		ja
2.2	Veiligheidsaanbevelingen:	verandering in de lijst (tabel)	ja
2.3	Hormoonontregelende eigenschappen:	Bevat geen hormoonontregelaar (EDC) in een concentratie van $\geq 0,1\%$.	ja
3.2	Beschrijving van het mengsel:	verandering in de lijst (tabel)	ja
8.1	Relevante DNEL's van bestanddelen van het	mengsel: verandering in de lijst (tabel)	ja
8.1	Relevante PNEC's van bestanddelen van het	mengsel: verandering in de lijst (tabel)	ja
12.5	Resultaten van PBT- en zPzB-beoordeling: Er zijn geen gegevens beschikbaar.	Resultaten van PBT- en zPzB-beoordeling: Uit de resultaten van de beoordeling van de stof blijkt dat deze stof geen PBT- of zPzB-stof is. Bevat geen PBT-/zPzB-stof in een concentratie van $\geq 0,1\%$.	ja
12.6	Hormoonontregelende eigenschappen: Geen van de bestanddelen is vermeld.	Hormoonontregelende eigenschappen: Bevat geen hormoonontregelaar (EDC) in een concentratie van $\geq 0,1\%$.	ja
15.1	Gevaarlijke stoffen met beperkingen (REACH,	Bijlage XVII): verandering in de lijst (tabel)	ja
15.1	Nationale inventarissen:	verandering in de lijst (tabel)	ja

Afkortingen en acroniemen

Afk.	Beschrijvingen van de gebruikte afkortingen
ADN	Accord européen relatif au transport internationale des marchandises Dangereuses par voies de navigation Intérieures (Europese Overeenkomst betreffende het internationale vervoer van gevaarlijke goederen over de binnenwateren)
ADR	Accord relatif au transport internationale des marchandises Dangereuses par route (Overeenkomst betreffende het internationale vervoer van gevaarlijke goederen over de weg)
ADR/RID/ADN	Overeenkomsten betreffende het internationaal vervoer van gevaarlijke goederen over de weg/per spoor/over de binnenwateren (ADR/RID/ADN)
BCF	Bioconcentratiefactor
BZV	Biologisch zuurstofvraag

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Afk.Beschrijvingen van de gebruikte afkortingen	
CAS	Chemical Abstracts Service (database voor chemische stoffen en hun unieke nummer, het CAS registratienummer)
catalogus nr.	Het catalogusnummer is de in deel 3 van bijlage VI bij Verordening (EG) nr. 1272/2008 gebruikte identificatiecode
CLP	Verordening (EG) nr. 1272/2008 betreffende de indeling, etikettering en verpakking (Classification, Labeling and Packaging) van stoffen en mengsels
CMR	Carcinogeen, Mutageen of Reproductietoxisch
CZV	Chemische ZuurstofVraag
DGR	Dangerous Goods Regulations, voorschriften voor het vervoer van gevaarlijke goederen, zie IATA/DGR
DNEL	Derived No-Effect Level (afgeleide dosis zonder effect)
EC No	Het EG-register (EINECS, ELINCS en het NLP-register) is de bron voor het zevencijferige EC-getal als kengetal voor stoffen (Europese Unie)
EINECS	European Inventory of Existing Commercial Chemical Substances (europese inventaris van bestaande chemische handelsstoffen)
ELINCS	European List of Notified Chemical Substances (Europese lijst van bekendgemaakte chemische stoffen)
EmS	Emergency Schedule (rampenplan)
Eye Dam.	Veroorzaakt ernstig oogletsel
Eye Irrit.	Irriterend voor ogen
Flam. Liq.	Ontvlambare vloeistof
GHS	"Wereldwijd geharmoniseerd systeem voor de indeling en etikettering van chemische stoffen", ontwikkeld door de Verenigde Naties
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) voor de luchtvaart (IATA)
ICAO	International Civil Aviation Organization (Internationale Organisatie voor Burgerluchtvaart)
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air (Technische voorschriften voor het veilig vervoeren van gevaarlijke goederen via de lucht)
IMDG	Internationale Code voor het vervoer van gevaarlijke stoffen over zee (IMDG-code)
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Letale concentratie 50 %: is de concentratie waarde in lucht van het materiaal waarbij 50 % van de testobjecten sterft gedurende een bepaalde tijdsinterval
log KOW	n-Octanol/water
NLP	No-Longer Polymer (niet langer polymeer)
PBT	Persistent, Bioaccumulerend en Toxisch
PNEC	Voorspelde concentratie zonder effect
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (registratie en beoordeling van, en autorisatie en beperkingen ten aanzien van chemische stoffen)
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Reglement betreffende het internationaal vervoer van gevaarlijke goederen over het spoor)
SCBA	Onafhankelijke ademhalingsapparatuur
STOT SE	Specifieke doelorgaantoxiciteit bij eenmalige blootstelling

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Afk.Beschrijvingen van de gebruikte afkortingen
SVHCZeer zorgwekkende stof
VOSVluchtige organische stoffen
zPzBZeer persistent en zeer bioaccumulerend

Belangrijke literatuurreferenties en gegevensbronnen

Verordening (EG) nr. 1272/2008 betreffende de indeling, etikettering en verpakking (Classification, Labelling and Packaging) van stoffen en mengsels. Verordening (EG) Nr. 1907/2006 (REACH), gewijzigd door 2020/878/EU.

Vervoer van gevaarlijke goederen over de weg, per spoor of over de binnenwateren (ADR/RID/ADN). Internationale Code voor het vervoer van gevaarlijke stoffen over zee (IMDG). Dangerous Goods Regulations (DGR) voor de luchtvaart (IATA).

Indelingsprocedure

Fysische en chemische eigenschappen: De indeling berust op basis van de resultaten van de geteste mengsels. Gezondheidsgevaaren, Milieugevaaren: De methode voor indeling van mengsels op basis van de bestanddelen van het mengsel (somformule).

Lijst van relevante zinnen (code en voluit geschreven tekst zoals in rubriek 2 en 3 vermeld)

CodeTekst
H225Licht ontvlambare vloeistof en damp.
H319Veroorzaakt ernstige oogirritatie.
H336Kan slaperigheid of duizeligheid veroorzaken.

Disclaimer

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