

GLITTER LACQUER - 011041/2/3/4/5/6-EN



SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : GLITTER LACQUER
Product code : 011041/2/3/4/5/6-EN.

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

Ideal as paint spray for handicrafts, picture frames and flower arrangements. Only use the product as directed on the aerosol and do not use for entertainment and decorative purposes.

1.3. Details of the supplier of the safety data sheet

Registered company name : Spring from Holland BV.
Address : C. Verolmeweg 12-14.2171 KV.Sassenheim.Netherlands.
Telephone : +31 252 231651. Fax : +31 252 231469.
info@springfromholland.nl
http://www.springfromholland.com

1.4. Emergency telephone number : +31 252 231651.

Association/Organisation : http://www.springfromholland.com.
Hours of operation : Monday - Thursday : 8:00-17:00; Friday : 8:00-13:00

Other emergency numbers

United Kingdom : National Poisons Information Service : +44 (0)844 892 0111. Ireland : Poisons Information Centre of Ireland : +353 1 809 2166. Malta : Emergency number : 112 ; Medicines & Poisons info Office : 2545 6508.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Aerosol, Category 1 (Aerosol 1, H222 - H229).
Eye irritation, Category 2 (Eye Irrit. 2, H319).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.
The propellant gas is not taken into account when determining the health and environmental classification of the mixture.

2.2. Label elements

Mixture for aerosol application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS02



GHS07

Signal Word :

DANGER

Hazard statements :

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.

Precautionary statements - General :

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

Precautionary statements - Prevention :

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.

Precautionary statements - Storage :

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

Intentional misuse of the preparation by concentrating and inhaling the vapours can be harmful or fatal.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43 ETHANOL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1]	25 \leq x % < 50
CAS: 106-97-8 EC: 203-448-7 REACH: 01-2119474691-32-XXXX BUTANE (< 0,1 % 1,3-BUTADIENE)	GHS02 Dgr Flam. Gas 1, H220 Press. Gas, H280	C [1] [7]	10 \leq x % < 25
CAS: 74-98-6 EC: 200-827-9 REACH: 01-2119486944-21-XXXX PROPANE	GHS02 Dgr Flam. Gas 1, H220 Press. Gas, H280	[1] [7]	10 \leq x % < 25
CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25 PROPAN-2-OL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]	1 \leq x % < 2.5
CAS: 25189-83-7 POLYVINYLCAPOROLACTAM	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		0.1 \leq x % < 1
CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23 PROPANE-1,2-DIOL		[1]	0 \geq x % < 0.1

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43 ETHANOL	Eye Irrit. 2A: H319 $C \geq 10\%$	oral: ATE = 10470 mg/kg BW
CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25 PROPAN-2-OL		inhalation: ATE = 30 mg/1 4h (vapours) dermal: ATE = 13900 mg/kg BW oral: ATE = 5840 mg/kg BW
CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23 PROPANE-1,2-DIOL		oral: ATE = 22000 mg/kg BW

Information on ingredients :

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

[1] Substance for which maximum workplace exposure limits are available.

[7] Propellant gas

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SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

In the event of exposure by inhalation :

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

In the event of splashes or contact with eyes :

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists :
Get medical advice/attention.

In the event of splashes or contact with skin :

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

See section 11.

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

If you feel unwell, seek medical advice (show the label if possible). If symptoms persist, always call a doctor.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

If the aerosols are exposed to a fire : keep containers cool by spraying with water from a protected position.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

If possible, stop the product stream. Spray from a protected position till the containers are cool. If possible, take the aerosols outside. Keep public at a distance.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Avoid eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Storage in a dry, frost-free and well ventilated place.

Store upright.

Packaging

Always keep in packaging made of an identical material to the original.

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7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 ppm 1920 mg/m ³				
106-97-8	600 ppm 1450 mg/m ³	750 ppm 1810 mg/m ³		Carc	
67-63-0	400 ppm 999 mg/m ³	500 ppm 1250 mg/m ³			
57-55-6	10 mg/m ³				

- Ireland (Code of practice for the Chemical Agents Regulations, 2021) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5		1000 ppm			
106-97-8		1000 ppm			
74-98-6				Asphx.	
67-63-0	200 ppm	400 ppm		Sk	
57-55-6	10 mg/m ³				

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

PROPANE-1,2-DIOL (CAS: 57-55-6)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Inhalation.
Long term systemic effects.
168 mg of substance/m³Exposure method:
Potential health effects:
DNEL :Inhalation.
Long term local effects.
10 mg of substance/m³

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Dermal contact.
Long term systemic effects.
213 mg/kg body weight/dayExposure method:
Potential health effects:
DNEL :Inhalation.
Long term systemic effects.
50 mg of substance/m³Exposure method:
Potential health effects:
DNEL :Inhalation.
Long term local effects.
10 mg of substance/m³Exposure method:
Potential health effects:
DNEL :Inhalation.
Long term systemic effects.
85 mg of substance/l

PROPAN-2-OL (CAS: 67-63-0)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
888 mg/kg body weight/dayExposure method:
Potential health effects:Inhalation.
Long term systemic effects.

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DNEL : 500 mg of substance/m³

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Ingestion.
Long term systemic effects.
26 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Dermal contact.
Long term systemic effects.
319 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
89 mg of substance/m³

ETHANOL (CAS: 64-17-5)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
343 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Short term local effects.
1900 mg of substance/m³

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
950 mg of substance/m³

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Ingestion.
Long term systemic effects.
87 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Dermal contact.
Long term systemic effects.
206 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Short term local effects.
950 mg of substance/m³

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
114 mg of substance/m³

Predicted no effect concentration (PNEC):

PROPANE-1,2-DIOL (CAS: 57-55-6)

Environmental compartment:
PNEC :

Soil.
50 mg/kg

Environmental compartment:
PNEC :

Fresh water.
260 mg/l

Environmental compartment:
PNEC :

Sea water.
26 mg/l

Environmental compartment:
PNEC :

Intermittent waste water.
183 mg/l

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Environmental compartment: PNEC :	Fresh water sediment. 572 mg/kg
Environmental compartment: PNEC :	Marine sediment. 57.2 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 20000 mg/l
Environmental compartment: PNEC :	Vermivore predators (oral). 1133 mg/kg
PROPAN-2-OL (CAS: 67-63-0)	
Environmental compartment: PNEC :	Soil. 28 mg/kg
Environmental compartment: PNEC :	Fresh water. 140.9 mg/l
Environmental compartment: PNEC :	Sea water. 140.9 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 140.9 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 552 mg/kg
Environmental compartment: PNEC :	Marine sediment. 552 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 2251 mg/l
ETHANOL (CAS: 64-17-5)	
Environmental compartment: PNEC :	Soil. 0.63 mg/kg
Environmental compartment: PNEC :	Fresh water. 0.96 mg/l
Environmental compartment: PNEC :	Sea water. 0.79 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 2.75 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 3.6 mg/kg
Environmental compartment: PNEC :	Marine sediment. 2.9 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 580 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

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Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

Do not spray in the direction of the eyes.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

- Butyl Rubber (Isobutylene-isoprene copolymer)

Not necessary at efficient use. Wash your hands after contact with skin.

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

Not necessary at efficient use. Wash skin that has been in contact with the product, with water and soap.

- Respiratory protection

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

Do not breathe spray. Use only in well-ventilated areas.

Exposure controls linked to environmental protection

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state : Fluid liquid.
Spray.

Colour

Gold, silver, red, blue or multi

Odour

Odour threshold : Not stated.

Odour : Perfume

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

Flammability

Flammability (solid, gas) : Not stated.

Flammability : Extremely flammable

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Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.
Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not relevant.

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

pH

pH (aqueous solution) : Not stated.
pH : Not relevant.

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Insoluble.
Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Not relevant.

Density and/or relative density

Density : 0.652

Relative vapour density

Vapour density : Not stated.

9.2. Other information

VOC (g/l) : 627.94
Pressure at 20°C : ± 5.0 bar
Pressure at 50°C : < 10 bar
Water content : < 0.3 % w/w

9.2.1. Information with regard to physical hazard classes

No data available.

Aerosols

Chemical combustion heat : ≥ 30 kJ/g.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- heat
- flames and hot surfaces
- frost

Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition. Storage in a dry, frost-free and well ventilated place.

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10.5. Incompatible materials

No materials known by which a dangerous reaction can occur.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

The product is stable. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 : TOXICOLOGICAL INFORMATION

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

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

Acute toxicity :

PROPANE (CAS: 74-98-6)

Inhalation route (Dusts/mist) : LC50 > 10 mg/l

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Inhalation route (Vapours) : LC50 > 10 mg/l

PROPANE-1,2-DIOL (CAS: 57-55-6)

Oral route : LD50 = 22000 mg/kg
Species : Rat

Dermal route : LD50 > 2000 mg/kg
Species : Rabbit

PROPAN-2-OL (CAS: 67-63-0)

Oral route : LD50 = 5840 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 = 13900 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (Vapours) : LC50 = 30 mg/l
Species : Rat
OECD Guideline 403 (Acute Inhalation Toxicity)
Duration of exposure : 4 h

ETHANOL (CAS: 64-17-5)

Oral route : LD50 = 10470 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 2000 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (Vapours) : LC50 > 51 mg/l
Species : Rat
OECD Guideline 403 (Acute Inhalation Toxicity)

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Duration of exposure : 4 h

Skin corrosion/skin irritation :

Propan-2-ol : Repeated exposure may cause skin dryness or cracking.

Ethanol : Rabbit : Irritant.

Butane/Isobutane/Propane : Based on available data, the classification criteria are not met.

Polyvinylcaprolactam : Irritating to skin.

Propane-1,2-diol : Skin contact can cause eczema due to damage.

PROPANE-1,2-DIOL (CAS: 57-55-6)

Species : Rabbit

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

PROPAN-2-OL (CAS: 67-63-0)

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

ETHANOL (CAS: 64-17-5)

Species : Rabbit

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious damage to eyes/eye irritation :

Propan-2-ol : Causes serious eye irritation.

Ethanol : Causes serious eye irritation.

Butane/Isobutane/Propane : Based on available data, the classification criteria are not met.

Polyvinylcaprolactam : Risk of serious damage to eyes.

Propane-1,2-diol : May irritate the eyes.

PROPAN-2-OL (CAS: 67-63-0)

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

ETHANOL (CAS: 64-17-5)

Corneal haze :

Average score = 1.1

Species : Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Iritis :

Average score = 0.44

Species : Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Conjunctival redness :

Average score = 2.1

Species : Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Conjunctival oedema :

Average score = 1.3

Species : Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitisation :

Butane/Isobutane/Propane : Based on available data, the classification criteria are not met.

Polyvinylcaprolactam : Not sensitizing.

PROPAN-2-OL (CAS: 67-63-0)

Buehler Test :

Non-sensitiser.

Species : Guinea pig

OECD Guideline 406 (Skin Sensitisation)

PROPANE-1,2-DIOL (CAS: 57-55-6)

Guinea Pig Maximisation Test (GMPT) :

Non-sensitiser.

Species : Guinea pig

OECD Guideline 406 (Skin Sensitisation)

ETHANOL (CAS: 64-17-5)

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Local lymph node stimulation test : Non-Sensitiser.
Species : Mouse
OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity :

Polyvinylcaprolactam : Not mutagenic in bacteria.

PROPANE-1,2-DIOL (CAS: 57-55-6) No mutagenic effect.

PROPAN-2-OL (CAS: 67-63-0) No mutagenic effect.

Mutagenesis (in vivo) : Negative.
Species : Mouse
OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Mutagenesis (in vitro) : Negative.
Species : Bacteria
OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Ames test (in vitro) : Negative.
Species : S. typhimurium TA1535

PROPANE (CAS: 74-98-6) No mutagenic effect.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8) No mutagenic effect.

ETHANOL (CAS: 64-17-5) No mutagenic effect.

Mutagenesis (in vivo) : Negative.
OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Mutagenesis (in vitro) : Negative.
Species : Mammalian Cell Line
OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Carcinogenicity :

Polyvinylcaprolactam : No data available.

PROPANE-1,2-DIOL (CAS: 57-55-6)
Carcinogenicity Test : Negative.
No carcinogenic effect.

PROPAN-2-OL (CAS: 67-63-0)
Carcinogenicity Test : Negative.
No carcinogenic effect.
Species : Mouse
OECD Guideline 451 (Carcinogenicity Studies)

PROPANE (CAS: 74-98-6)
Carcinogenicity Test : Negative.
No carcinogenic effect.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)
Carcinogenicity Test : Negative.
No carcinogenic effect.

ETHANOL (CAS: 64-17-5)

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Carcinogenicity Test : Negative.
No carcinogenic effect.
Species : Rat
OECD Guideline 451 (Carcinogenicity Studies)

Reproductive toxicant :

Polyvinylcaprolactam : No data available.

PROPANE-1,2-DIOL (CAS: 57-55-6)
No toxic effect for reproduction

PROPAN-2-OL (CAS: 67-63-0)
No toxic effect for reproduction
Study on fertility :

Species : Rat
OECD Guideline 414 (Prenatal Developmental Toxicity Study)
Species : Rat
OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)

Study on development :

PROPANE (CAS: 74-98-6)
No toxic effect for reproduction

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)
No toxic effect for reproduction

ETHANOL (CAS: 64-17-5)
No toxic effect for reproduction

Specific target organ systemic toxicity - single exposure :

Propan-2-ol : To human : Vapours may cause drowsiness and dizziness.
Ethanol : To human : Not classified for organ toxicity. For animals : No effects known.
Butane/Isobutane/Propane : Based on available data, the classification criteria are not met.
Polyvinylcaprolactam : No data available.
Propane-1,2-diol : To human : Not classified for organ toxicity. For animals : No effects known.

Specific target organ systemic toxicity - repeated exposure :

Propan-2-ol : To human : Not classified for organ toxicity. By male rats : The product can affect the kidneys and liver, resulting in functional disturbances.
Ethanol : To human : Not classified for organ toxicity. For animals : No effects known.
Butane/Isobutane/Propane : Based on available data, the classification criteria are not met.
Polyvinylcaprolactam : No data available.
Propane-1,2-diol : To human : Not classified for organ toxicity. For animals : No effects known.

PROPAN-2-OL (CAS: 67-63-0)

Oral route : C = 900 mg/kg bodyweight/day
Species : Rat
Duration of exposure : 90 days
OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Inhalation route : C = 5000 ppmV/6h/day
Species : Rat
Duration of exposure : 90 days
Other guideline

ETHANOL (CAS: 64-17-5)

Oral route : C = 1730 mg/kg bodyweight/day
Species : Rat
Duration of exposure : 90 days
OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard :

Propan-2-ol : Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Ethanol : Not considered hazardous.

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Butane/Isobutane/Propane : Not applicable to gases and gas mixtures.

Polyvinylcaprolactam : No data available.

Propane-1,2-diol : Hot vapours can cause lung damage.

11.1.2. Mixture

No toxicological data available for the mixture.

11.2. Information on other hazards

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

PROPANE-1,2-DIOL (CAS: 57-55-6)

Fish toxicity :

LC50 = 40613 mg/l

Species : *Oncorhynchus mykiss*

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :

EC50 = 18340 mg/l

Species : *Ceriodaphnia dubia*

Duration of exposure : 48 h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC = 13020 mg/l

Species : *Ceriodaphnia dubia*

Duration of exposure : 7 days

Algae toxicity :

ECr50 = 19000 mg/l

Species : *Pseudokirchnerella subcapitata*

Duration of exposure : 96 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

PROPAN-2-OL (CAS: 67-63-0)

Fish toxicity :

LC50 = 9640 mg/l

Species : *Pimephales promelas*

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :

EC50 = 9714 mg/l

Species : *Daphnia magna*

Duration of exposure : 24 h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity :

ECr50 > 100 mg/l

Species : *Scenedesmus subspicatus*

Duration of exposure : 72 h

EC50 mg/l

Species : *Scenedesmus subspicatus*

Duration of exposure : 72 h

NOEC = 1000 mg/l

Species : *Scenedesmus subspicatus*

Duration of exposure : 7 days

ETHANOL (CAS: 64-17-5)

Fish toxicity :

LC50 = 13000 mg/l

Species : *Oncorhynchus mykiss*

Duration of exposure : 96 h

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OECD Guideline 203 (Fish, Acute Toxicity Test)

NOEC = 250 mg/l

Species : Brachydanio rerio

Duration of exposure : 96 h

OECD Guideline 212 (Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages)

Crustacean toxicity :

EC50 = 5414 mg/l

Species : Daphnia magna

Duration of exposure : 48 h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC = 9.6 mg/l

Species : Ceriodaphnia sp.

Duration of exposure : 7 days

Algae toxicity :

ECr50 = 275 mg/l

Species : Chlorella vulgaris

Duration of exposure : 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

Polyvinylcaprolactam : Not readily biodegradable.

12.2.1. Substances

PROPANE-1,2-DIOL (CAS: 57-55-6)

Biodegradability :

Rapidly degradable.

DBO5/DCO = 0.81

PROPANE (CAS: 74-98-6)

Biodegradability :

Rapidly degradable.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Biodegradability :

Rapidly degradable.

PROPAN-2-OL (CAS: 67-63-0)

Chemical oxygen demand :

DCO = 0.96 g/g

Five-day biochemical oxygen demand :

DBO5 = 0.53 g/g

Biodegradability :

Rapidly degradable.

DBO5/DCO = 0.55

ETHANOL (CAS: 64-17-5)

Chemical oxygen demand :

DCO = 1.9 g/g

Five-day biochemical oxygen demand :

DBO5 = 1 g/g

Biodegradability :

Rapidly degradable.

DBO5/DCO = 0.53

12.3. Bioaccumulative potential

Propan-2-ol : No bioaccumulation.

Butane/Isobutane/Propane : Not expected to be dangerous for the aquatic environment.

Ethanol : Bioaccumulation not expected.

Polyvinylcaprolactam : No data available.

Propane-1,2-diol : Bioaccumulation not expected.

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12.3.1. Substances

PROPANE-1,2-DIOL (CAS: 57-55-6)

Octanol/water partition coefficient : log K_{ow} = -1.07
OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

Bioaccumulation : BCF = 0.09

PROPAN-2-OL (CAS: 67-63-0)

Octanol/water partition coefficient : log K_{ow} = 0.05
OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

Bioaccumulation : BCF = 3.2

ETHANOL (CAS: 64-17-5)

Octanol/water partition coefficient : log K_{ow} = -0.32

Bioaccumulation : BCF < 3.2

12.4. Mobility in soil

Propan-2-ol : Expected to remain in water or migrate through soil.

Butane/Isobutane/Propane : If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

Ethanol : Soluble in water.

Polyvinylcaprolactam : No data available.

Propane-1,2-diol : Low adsorption capacity in the soil.

12.5. Results of PBT and vPvB assessment

Propan-2-ol : PBT/vPvB : No.

Ethanol : PBT/vPvB: No.

Butane/Isobutane/Propane : Not considered to be a PBT or a vPvB.

Polyvinylcaprolactam : PBT/vPvB : No.

Propane-1,2-diol : PBT/vPvB : No.

12.6. Endocrine disrupting properties

Propan-2-ol : No information available about endocrine disrupting properties for the environment.

Butane/Isobutane/Propane : Not applicable.

Propane-1,2-diol : No information available about endocrine disrupting properties for the environment.

Polyvinylcaprolactam : Does not contain components considered to have endocrine disrupting properties.

12.7. Other adverse effects

Propan-2-ol : Do not flush into surface water or sanitary sewer system. Avoid penetrating into the soil.

Propane-1,2-diol : Do not flush into surface water or sanitary sewer system. Avoid penetrating into the soil.

Butane/Isobutane/Propane : Not applicable.

Ethanol : Without pre-treatment, the product should not be allowed to enter waters.

Polyvinylcaprolactam : Doesn't deplete the ozone layer. Disruptions in the degradability of activated sludge are not to be expected when small concentrations are introduced professionally into biological water treatment plants.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Recycle or dispose of waste in compliance with current legislation, namely the Ordinance on the Avoidance and Disposal of Waste (Waste Ordinance, VVEA, SR 814.600), the Ordinance on Waste from June 22, 2005 (VeVA, SR 814, 610) and DETEC Ordinance on Waste Lists.

Disposal of the product (the unused product, residual quantities, the cured product, emptied but uncleaned packaging) : preferably by an approved waste collector or a specialist disposal company. Suitable containers and methods of waste treatment should be used.

GLITTER LACQUER - 011041/2/3/4/5/6-EN**Soiled packaging :**

Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

15 01 10 * packaging containing residues of or contaminated by dangerous substances

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

14.1. UN number or ID number

1950

14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

14.3. Transport hazard class(es)

- Classification :

2.1

ADR/RID Label : Limited Quantity : 2.1 is not applicable.

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5F	-	2.1	-	1 L	190 327 344 625	E0	2	D
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation	
	2	See SP63	-	See SP277	F-D. S-U	63 190 277 327 344 381 959	E0	- SW1 SW22	SG69	
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	2.1	-	-	203	75 kg	203	150 kg	A145 A167 A802	E0	
	2.1	-	-	Y203	30 kg G	-	-	A145 A167 A802	E0	

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

- Container information:

No data available.

-Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):
<https://echa.europa.eu/substances-restricted-under-reach>.

- Particular provisions :

No data available.

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the following products or for the substances in these products :

Propan-2-ol

Ethanol

Propane-1,2-diol

GLITTER LACQUER - 011041/2/3/4/5/6-EN

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Abbreviations :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.
LC50 : The concentration of a test substance resulting in 50% lethality in a given period.
EC50 : The effective concentration of substance that causes 50% of the maximum response.
ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.
NOEC : The concentration with no observed effect.
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE : Acute Toxicity Estimate
BW : Body Weight
DNEL : Derived No-Effect Level
PNEC : Predicted No-Effect Concentration
STEL : Short-term exposure limit
TWA : Time Weighted Averages
TLV : Threshold Limit Value (exposure)
AEV : Average Exposure Value.
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefährdungsklasse (Water Hazard Class).
GHS02 : Flame
GHS07 : Exclamation mark
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.

Difference Report

Revision: N°7 (24/04/2023) / GHS n°4 / HCS n° / Version: N°1 (24/04/2023)

Revision: N°6 (22/11/2021) / GHS n°3 / HCS n° / Version: N°1 (22/11/2021)

SECTION 2 : HAZARDS IDENTIFICATION

In compliance with EC regulation No. 1272/2008 and its amendments.

The propellant gas is not taken into account when determining the health and environmental classification of the mixture.

GLITTER LACQUER - 011041/2/3/4/5/6-EN

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Composition :

CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43 ETHANOL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1]	50 <= x % < 100
CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25 PROPAN-2-OL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]	2.5 <= x % < 10
CAS: 25189-83-7 POLYVINYLCAPROLACTAM	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		1 <= x % < 2.5
CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23 PROPANE 1,2-DIOL		[1]	0.1 <= x % < 1
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43 ETHANOL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1]	25 <= x % < 50
CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25 PROPAN-2-OL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]	1 <= x % < 2.5
CAS: 25189-83-7 POLYVINYLCAPROLACTAM	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		0.1 <= x % < 1
CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23 PROPANE-1,2-DIOL		[1]	0 >= x % < 0.1

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Spray.

SECTION 11 : TOXICOLOGICAL INFORMATION

Respiratory or skin sensitisation :

~~Propane 1,2 diol : Not sensitizing.~~

SECTION 12 : ECOLOGICAL INFORMATION

12.2. Persistence and degradability

~~Butane/Isobutane/Propane : Expected to be readily biodegradable.~~

12.6. Endocrine disrupting properties

No data available.

Propan-2-ol : No information available about endocrine disrupting properties for the environment.

Butane/Isobutane/Propane : Not applicable.

Propane-1,2-diol : No information available about endocrine disrupting properties for the environment.

Polyvinylcaprolactam : Does not contain components considered to have endocrine disrupting properties.

GLITTER LACQUER - 011041/2/3/4/5/6-EN

12.7. Other adverse effects

~~No data available.~~

Propan-2-ol : Do not flush into surface water or sanitary sewer system. Avoid penetrating into the soil.

Propane-1,2-diol : Do not flush into surface water or sanitary sewer system. Avoid penetrating into the soil.

Butane/Isobutane/Propane : Not applicable.

Ethanol : Without pre-treatment, the product should not be allowed to enter waters.

Polyvinylcaprolactam : Doesn't deplete the ozone layer. Disruptions in the degradability of activated sludge are not to be expected when small concentrations are introduced professionally into biological water treatment plants.

SECTION 14 : TRANSPORT INFORMATION

~~Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021-IMDG 2020 - ICAO/IATA 2021).~~

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

SECTION 15: Regulatory information

- Classification and labelling information included in section 2:

~~EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/643 (ATP 16)~~

~~EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)~~

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

-Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):
<https://echa.europa.eu/substances-restricted-under-reach>.