SAFETY DATA SHEET
PEATYS LINKLUBE DRY

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name PEATYS LINKLUBE DRY

Product number PDL-360-1 / PDL-120-1 / PDL-60-1 / PDL15-1

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

Identified uses Lubricant.

Uses advised against Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier

Peaty's Ltd
The Circle,
33 Rockingham Lane,
Sheffield
S1 4FW
0330 001 1289 (08.30 - 17.00)
info@peatys.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 161 620 5400

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Precautionary statements

P102 Keep out of reach of children.
P280 Wear protective gloves.
P264 Wash contaminated skin thoroughly after handling.
P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
P501 Dispose of contents/ container in accordance with local regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Distillates (petroleum), hydrotreated light paraffinic **1 - <5%**

CAS number: 64742-55-8 EC number: 265-158-7

Classification

Asp. Tox. 1 - H304

PEATYS LINKLUBE DRY

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Show this Safety Data Sheet to the medical personnel. Effects may be delayed. Rinse immediately with plenty of water. While rinsing, remove clothing not adhering to the affected area. Get medical attention if any discomfort continues.

Inhalation Unlikely route of exposure as the product does not contain volatile substances. Rinse nose and mouth with water. If spray/mist has been inhaled, proceed as follows. Get medical attention if any discomfort continues. If in doubt, get medical attention promptly.

Ingestion Get medical attention. Show this Safety Data Sheet to the medical personnel. Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel.

Skin contact Wash with plenty of water. Get medical attention if symptoms are severe or persist after washing. If in doubt, get medical attention promptly. Take off contaminated clothing and wash it before reuse. Show this Safety Data Sheet to the medical personnel. Effects may be delayed.

Eye contact Rinse with water. Continue to rinse for at least 10 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation persists after washing. If in doubt, get medical attention promptly. May cause permanent damage if eye is not immediately irrigated. Show this Safety Data Sheet to the medical personnel.

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

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation May cause respiratory system irritation. A single exposure may cause the following adverse effects: Temporary irritation. Coughing. Irritation of nose, throat and airway.

Ingestion A single exposure may cause the following adverse effects: Coughing. Dryness of mouth and throat. Gastrointestinal symptoms, including upset stomach. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact A single exposure may cause the following adverse effects: Dryness and/or cracking. Skin irritation.

Eye contact A single exposure may cause the following adverse effects: Irritation of eyes and mucous membranes. Irritation and redness, followed by blurred vision. Itchiness. Profuse watering of the eyes.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable.

5.2. Special hazards arising from the substance or mixture

Specific hazards Not applicable.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

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Protective actions during firefighting No specific firefighting precautions known. Avoid breathing fire gases or vapours.

Special protective equipment for firefighters Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Good personal hygiene procedures should be implemented. Keep containers upright. No specific requirements are anticipated under normal conditions of use. Wash hands thoroughly after handling.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class Unspecified storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

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Occupational exposure limits

Sodium hydroxide

Short-term exposure limit (15-minute): WEL 2 mg/m³
WEL = Workplace Exposure Limit.

Distillates (petroleum), hydrotreated light paraffinic (CAS: 64742-55-8)

PNEC	- Oral; 9.33 mg/kg

Sodium nitrite (CAS: 7632-00-0)

DNEL	Workers - Inhalation; Long term systemic effects: 2 mg/m³ Workers - Inhalation; Short term systemic effects: 2 mg/m³
PNEC	- Fresh water; 0.005 mg/l - marine water; 0.006 mg/l - STP; 21 mg/l - Sediment (Freshwater); 0.019 mg/kg - Sediment (Marinewater); 0.022 mg/kg - Soil; 0.001 mg/kg

Sodium hydroxide (CAS: 1310-73-2)

DNEL	Workers - Inhalation; Long term local effects: 1 mg/m³ General population - Inhalation; Long term local effects: 1 mg/m³

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment that provides appropriate eye and face protection should be worn.
Hand protection	The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent skin contamination. Provide eyewash station.
Hygiene measures	Good personal hygiene procedures should be implemented. Wash after use and before eating, smoking and using the toilet. Take off contaminated clothing and wash it before reuse.
Respiratory protection	No specific requirements are anticipated under normal conditions of use.
Environmental exposure controls	Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Appearance	Liquid.
Melting point	Not applicable.
Flash point	Not applicable.

9.2. Other information

Volatility	Not applicable.
Volatile organic compound	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	See the other subsections of this section for further details.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	The following materials may react strongly with the product: Oxidising agents.

10.4. Conditions to avoid

Conditions to avoid	No specific requirements are anticipated under normal conditions of use.

10.5. Incompatible materials

Materials to avoid	Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	72,000.0

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Temporary irritation. Coughing. Irritation of nose, throat and airway.
Ingestion	A single exposure may cause the following adverse effects: Coughing. Gastrointestinal symptoms, including upset stomach. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin contact	A single exposure may cause the following adverse effects: Dryness and/or cracking. Skin irritation.
Eye contact	A single exposure may cause the following adverse effects: Irritation of eyes and mucous membranes. Irritation and redness, followed by blurred vision. Itchiness. Profuse watering of the eyes.
Route of exposure	Ingestion Inhalation Skin and/or eye contact

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Target organs No specific target organs known.

Toxicological information on ingredients.

Distillates (petroleum), hydrotreated light paraffinic

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} >5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} >5000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC_{50}) LC_{50} >5.53 mg/l, Inhalation, Rat Aerosol. 4 hours

Skin corrosion/irritation

Animal data Dose: 0.5 mL, 24 hours, Rabbit Erythema/eschar score: Very slight erythema - barely perceptible (1). Oedema score: No oedema (0). Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 mL, 72 hours, Rabbit Not irritating.

Skin sensitisation

Skin sensitisation Buehler test - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative.

Reproductive toxicity

Reproductive toxicity - fertility Screening - NOAEL ≥1000 mg/kg/day, Oral, Rat P

Reproductive toxicity - development Maternal toxicity: - LOAEL: 125 mg/kg/day, Dermal, Rat
Teratogenicity: - NOAEL: ≥2000 mg/kg/day, Dermal, Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL >980 mg/m³, Inhalation, Rat

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

Sodium nitrite

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 180.0

Species Rat

ATE oral (mg/kg) 180.0

Serious eye damage/irritation

Serious eye damage/irritation Rabbit Irritating.

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Germ cell mutagenicity

Genotoxicity - in vivo	Chromosome aberration: Negative. Weight of evidence.

Carcinogenicity

Carcinogenicity	NOAEL 130 mg/kg/day, Oral, Rat Weight of evidence.
IARC carcinogenicity	IARC Group 2A Probably carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility	Two-generation study - NOAEL 425 mg/kg/day, Oral, Mouse P Weight of evidence.
Reproductive toxicity - development	Developmental toxicity: - NOAEL: 0.5 mg/l, Oral, Rat Weight of evidence.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEL 165 mg/kg/day, Oral, Mouse Weight of evidence.

Alcohols, C9-11 ethoxylated

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	3,488.0
Species	Rat
Notes (oral LD_{50})	Read-across data.
ATE oral (mg/kg)	3,488.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,216.0
Species	Rabbit
Notes (dermal LD_{50})	Read-across data. Weight of evidence.
ATE dermal (mg/kg)	2,216.0

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC_{50} > 1.6 mg/l, Inhalation, Aerosol., Rat 4 hours Read-across data. Weight of evidence.

Skin corrosion/irritation

Animal data	Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Weight of evidence. Read-across data. Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Dose: 0.1 ml, 30 seconds, Rabbit Weight of evidence. Read-across data. Highly irritating.

Skin sensitisation

Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. Read-across data.

Germ cell mutagenicity

Genotoxicity - in vitro	DNA damage and/or repair: Negative. Read-across data.

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Reproductive toxicity

Reproductive toxicity - fertility	Two-generation study - NOAEL ≥ 250 mg/kg/day, Dermal, Rat F1, P
Reproductive toxicity - development	Developmental toxicity: - NOAEL: ≥ 250 mg/kg/day, Dermal, Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEL ≥ 500 mg/kg/day, systemic effects, Oral, Rat Read-across data.

Aspiration hazard

Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.

Benzyl alcohol

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	1,620.0
Species	Rat
ATE oral (mg/kg)	1,620.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	11.0

Skin corrosion/irritation

Animal data	Dose: 0.5ml, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Dose: 0.1ml, 24 hours, Rabbit Causes serious eye irritation.

Skin sensitisation

Skin sensitisation	Draize test - Guinea pig: Not sensitising. Weight of evidence.

Germ cell mutagenicity

Genotoxicity - in vitro	Gene mutation: Negative. Weight of evidence.
Genotoxicity - in vivo	Chromosome aberration: Negative. Weight of evidence.

Reproductive toxicity

Reproductive toxicity - fertility	Screening - NOAEL 800 mg/kg/day, Oral, Mouse F1
Reproductive toxicity - development	Developmental toxicity: - NOAEL: 550 mg/kg/day, Oral, Mouse

1,2-benzisothiazol-3(2H)-one

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	670.0
Species	Rat

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ATE oral (mg/kg)	670.0
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} > 2000 mg/kg, Dermal, Rat
Skin corrosion/irritation	
Animal data	Dose: 0.1 ml, 4 hours, Rabbit Irritating.
Serious eye damage/irritation	
Serious eye damage/irritation	Dose: 12.5%, Rabbit, Highly irritating.
Skin sensitisation	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.
Germ cell mutagenicity	
Genotoxicity - in vitro	Ames test: Negative.

4-tert-butylcyclohexyl acetate

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	3,370.0
Species	Rat
ATE oral (mg/kg)	3,370.0
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} >4680 mg/kg, Dermal, Rabbit
Skin corrosion/irritation	
Human skin model test	Cell Viability 62.6% 15 minutes Not irritating.
Serious eye damage/irritation	
Serious eye damage/irritation	Dose: 0.1 mL, , Rabbit Not irritating.
Skin sensitisation	
Skin sensitisation	Local Lymph Node Assay (LLNA) - Mouse: Sensitising.
Germ cell mutagenicity	
Genotoxicity - in vitro	Gene mutation: Negative. Read-across data.
Reproductive toxicity	
Reproductive toxicity - development	Developmental toxicity:, Maternal toxicity: - NOAEL: 160 mg/kg/day, Oral, Rat
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	NOAEL 980 mg/kg/day, Oral, Rat Read-across data.

Sodium hydroxide

Skin corrosion/irritation	
Animal data	Dose: 5%, 4 hours, Rabbit Corrosive.
Skin sensitisation	

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Skin sensitisation	Patch test - Human: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Gene mutation: Negative.
Genotoxicity - in vivo	Chromosome aberration: Negative.

COUMARIN

Acute toxicity - oral

ATE oral (mg/kg)	500.0

Skin corrosion/irritation

Animal data	Dose: 0.2 g, 4 hours, Rabbit Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Dose: 50 mg, 96 hours, Rabbit Not irritating.

Skin sensitisation

Skin sensitisation	Patch test - Human: Sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Bacterial reverse mutation test: Negative.
Genotoxicity - in vivo	Chromosome aberration: Negative.

Carcinogenicity

IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

Reproductive toxicity - fertility	Two-generation study - NOEC >0.25 %, Oral, Mouse P, F1

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEL >138.3 mg/kg/day, Oral, Mouse

Vanillin

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	3,300.0
Species	Rat
ATE oral (mg/kg)	3,300.0

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >2000 mg/kg, Dermal, Rat

Skin corrosion/irritation

Animal data	Dose: 2000 mg/kg, 24 hours, Rat Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Dose: 100 mg, 8 days, Rabbit Irritating.

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Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 10000 ppm, Oral, Rat

Benzyl salicylate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 3,031.0

Species Rat

Notes (oral LD_{50}) Read-across data.

ATE oral (mg/kg) 3,031.0

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} >2000 mg/kg, Dermal, Rabbit Read-across data.

Skin corrosion/irritation

Animal data Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Very slight erythema - barely perceptible (1). Oedema score: No oedema (0). Not irritating. Weight of evidence.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 mL, 10 days, Rabbit Irritating.

Skin sensitisation

Skin sensitisation Local Lymph Node Assay (LLNA) - Mouse: Sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative.

Reproductive toxicity

Reproductive toxicity - fertility One-generation study - NOAEL 180 mg/kg/day, Oral, Rat P Read-across data.

Reproductive toxicity - development Embryotoxicity:, Teratogenicity:, Maternal toxicity: - NOAEL: 360 mg/kg/day, Oral, Rat Read-across data.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOEL 360 mg/kg/day, Oral, Rat Read-across data.

AMYL SALICYLATE

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} > 5000 mg/kg, Oral, Rat

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ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} > 5000 mg/kg, Dermal, Rabbit
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	NOAEL 500 ppm, Oral, Rat

Piperonal

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,700.0
Species	Rat
ATE oral (mg/kg)	2,700.0
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} >5000 mg/kg, Dermal, Rat
Skin corrosion/irritation	
Animal data	Dose: 1.0 mL/100 g, 24 hours, Rat Not irritating. Weight of evidence.
Serious eye damage/irritation	
Serious eye damage/irritation	Dose: 0.1 g, , Rabbit Not irritating.
Skin sensitisation	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.
Germ cell mutagenicity	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative.
Genotoxicity - in vivo	Chromosome aberration: Negative.
Carcinogenicity	
Carcinogenicity	Dose level: 0.5 %, Oral, Rat
Reproductive toxicity	
Reproductive toxicity - fertility	Screening - NOAEL 250 mg/kg/day, Oral, Rat P, F1 Weight of evidence.
Reproductive toxicity - development	Maternal toxicity: - NOAEL: 125 mg/kg/day, Oral, Rat Read-across data. Developmental toxicity: - NOAEL: >250 mg/kg/day, Oral, Rat Read-across data.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	NOAEL 10000 ppm, Oral, Rat

Cinnamaldehyde

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,220.0
Species	Rat

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ATE oral (mg/kg)	2,220.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	1,260.0
Species	Rabbit
ATE dermal (mg/kg)	1,260.0
Acute toxicity - inhalation	
Notes (inhalation LC_{50})	LC_{50} 68.88 mg/l, Inhalation, Rat Vapour 4 hours Calculation method.
Skin corrosion/irritation	
Animal data	Dose: 0.5 mL, 14 days, Rabbit Moderately irritating.
Serious eye damage/irritation	
Serious eye damage/irritation	Dose: 0.1 mL, 24 hours, Rabbit Irritating.
Skin sensitisation	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.
Germ cell mutagenicity	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative.
Genotoxicity - in vivo	Chromosome aberration: Negative. Weight of evidence.
Carcinogenicity	
Carcinogenicity	NOAEL 235 mg/kg/day, Oral, Rat Weight of evidence.
Reproductive toxicity	
Reproductive toxicity - fertility	One-generation study - LOAEL 25 mg/kg/day, Oral, Rat P
Reproductive toxicity - development	Developmental toxicity: - LOAEL: 1200 mg/kg, Oral, Mouse
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	NOAEL 200 mg/kg/day, Oral, Rat

Trisodium [29H,31H-phthalocyaninetrisulphonato(5-)-N29,N30,N31,N32]cuprate(3-)

Acute toxicity - oral	
Notes (oral LD_{50})	LD_{50} >5000 mg/kg, Oral, Rat
Skin corrosion/irritation	
Animal data	Dose: 0.5 g, 24 hours, Rabbit Erythema/eschar score: 0.35 Oedema score: 0.35 Fully reversible within 72 hours. Not irritating.
Serious eye damage/irritation	
Serious eye damage/irritation	Dose: 0.1 g, , Rabbit Not irritating.
Skin sensitisation	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

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Germ cell mutagenicity

Genotoxicity - in vitro	Bacterial reverse mutation test: Negative.

Butanedione

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	1,580.0
Species	Rat
ATE oral (mg/kg)	1,580.0

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Estimated value.
ATE inhalation (dusts/mists mg/l)	0.5

Skin corrosion/irritation

Animal data	Rabbit Moderately irritating.

Benzyl cinnamate

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} 3280 mg/kg, Oral, Rat

Skin sensitisation

Skin sensitisation	Local Lymph Node Assay (LLNA) - Mouse: Sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Gene mutation: Negative.

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} > 5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} > 5000 mg/kg, Dermal, Rabbit

Serious eye damage/irritation

Serious eye damage/irritation	Dose: 0.1ml, 7 days, Rabbit Not irritating.

Skin sensitisation

Skin sensitisation	Patch test - Human: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Gene mutation: Negative.

Reproductive toxicity

Reproductive toxicity - fertility	Screening - NOAEL > 10 mg/kg/day, Oral, Rat F1 Weight of evidence.

Specific target organ toxicity - repeated exposure

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STOT - repeated exposure NOAEL 3.55 mg/kg/day, Oral, Rat

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Refer to Section 2.

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems. The product is non-volatile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods Do not empty into drains.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

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Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). EC_{50}: 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Revision date	19/01/2022
Revision	2
Supersedes date	09/02/2021
SDS number	8457
Hazard statements in full	H304 May be fatal if swallowed and enters airways. EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.