

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



Revision date 13-Nov-2022

Revision Number 1

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

1.1. Product identifier

Product Name TRIGGON
Product Code(s) TP.3010.I.1___ISR
Pure substance/mixture Mixture

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

Recommended use Insecticide; For professional users only
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Tapazol Chemical Works Ltd.
1st HaSolela st.
West. Ind. Zone
Beit Shemesh, Israel 9905415
Tel: +972-2-992-6040
Fax: +972-2-9926050
For further information, please contact sds@tapazol.co.il

1.4. Emergency telephone number

Emergency Telephone +972 4 777 1900
National Institute for Information on Poisoning
Rambam Health Care Campus, Haifa, Israel

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aspiration hazard	Category 1 - (H304)
Serious eye damage/eye irritation	Category 1 - (H318)
Skin sensitization	Category 1 - (H317)
Reproductive toxicity	Category 1B - (H360D)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)
Flammable liquids	Category 3 - (H226)

2.2. Label elements

Contains Solvent Naphtha (Petroleum), Heavy Aromatic, 4-Nonylphenol, branched, ethoxylated, 2-ethylhexan-1-ol, Benzenesulfonic acid, C10-13-alkyl calcium salt

**Signal word**

Danger

Hazard statements

H226 - Flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H336 - May cause drowsiness or dizziness

H360D - May damage the unborn child

H410 - Very toxic to aquatic life with long lasting effects

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children

P201 - Obtain special instructions before use

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

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P302 + P352 - IF ON SKIN: Wash with plenty of water/...

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P391 - Collect spillage

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

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

This product requires child resistant fastenings if supplied to the general public.

This product requires tactile warnings if supplied to the general public.

SP1 - Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

2.3. Other hazards**Endocrine Disruptor Information**

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances
4-Nonylphenol, branched, ethoxylated	Group III Chemical	-
Naphthalene	Group III Chemical	-

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Pyriproxyfen	619-166-6	95737-68-1	9-12	Aquatic Acute 1 (H400) M=10; Aquatic Chronic 1 (H410) M=10000
Solvent Naphtha (Petroleum), Heavy Aromatic	265-198-5	64742-94-5	64-72	Asp. Tox. 1 (H304) STOT SE 3 (H336) Aquatic Chronic 2 (H411)
4-Nonylphenol, branched, ethoxylated	---	127087-87-0	7-12	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)
1-Methylpyrrolidin-2-one	212-828-1	872-50-4	7-12	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 1B (H360D) STOT SE 3 (H335)
Benzenesulfonic acid, C10-13-alkyl calcium salt	932-231-6	NA	1-2	Skin irrit. 2 (H315) Eye dam.1 (H318) Aquatic Chronic 3 (H412)
2-ethylhexan-1-ol	203-234-3	104-76-7	0.5-2	Skin irrit. 2 (H315) Eye Irrit.2 (H319) Acute Tox.4 (H332) STOT SE(H335)
Naphthalene	202-049-5	91-20-3	<0.07	Acute Tox.4 (H302) Carc.2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

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

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No	SVHC candidates
1-Methylpyrrolidin-2-one	872-50-4	X
4-Nonylphenol, branched, ethoxylated	127087-87-0	X

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation

Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur. Remove to fresh air.

Eye contact

Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical

attention if irritation develops and persists.

Ingestion	ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical advice/attention. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.
Self-protection of the first aider	Do not breathe vapor or mist. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. See section 8 for more information. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

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

Symptoms	Burning sensation. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Small Fire	Dry chemical, CO ₂ , water spray or regular foam.
Large Fire	Water spray, fog or regular foam Dike fire-control water for later disposal Move containers from fire area if you can do it without risk

Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
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5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Do not breathe vapor or mist. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent
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product from entering drains. Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	Do not breathe vapor or mist. Handle product only in closed system or provide appropriate exhaust ventilation. Remove contaminated clothing and shoes. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene considerations	Do not breathe vapor or mist. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Store locked up. Keep out of the reach of children. Store away from other materials. Keep containers tightly closed in a dry, cool and well-ventilated place.
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7.3. Specific end use(s)

Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Netherlands	Bulgaria
1-Methylpyrrolidin-2-one 872-50-4	TWA: 10 ppm TWA: 40 mg/m ³ STEL: 20 ppm STEL: 80 mg/m ³ *	TWA: 10 ppm TWA: 40 mg/m ³ STEL 20 ppm STEL 80 mg/m ³ H* Skin sensitizer	TWA: 10 ppm TWA: 40 mg/m ³ STEL: 20 ppm STEL: 80 mg/m ³ *	TWA: 40 mg/m ³ STEL: 80 mg/m ³ H*	STEL: 20 ppm STEL: 80 mg/m ³ TWA: 10 ppm TWA: 40 mg/m ³ K*
2-ethylhexan-1-ol 104-76-7	-	TWA: 1 ppm TWA: 5.4 mg/m ³ STEL 2 ppm STEL 10.8 mg/m ³	TWA: 1 ppm TWA: 5.4 mg/m ³ *	TWA: 5.4 mg/m ³	TWA: 5.4 mg/m ³ TWA: 1 ppm
Naphthalene 91-20-3	TWA: 10 ppm TWA: 50 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³	TWA: 10 ppm TWA: 53 mg/m ³	TWA: 50 mg/m ³ STEL: 80 mg/m ³ H*	STEL: 75.0 mg/m ³ TWA: 50.0 mg/m ³

		H*	STEL: 15 ppm STEL: 80 mg/m ³ *		
Chemical name	Denmark	Germany	France	United Kingdom	Spain
1-Methylpyrrolidin-2-one 872-50-4	TWA: 5 ppm TWA: 20 mg/m ³ H*	TWA: 20 ppm TWA: 82 mg/m ³ H*	TWA: 40 mg/m ³ TWA: 10 ppm STEL: 80 mg/m ³ STEL: 20 ppm *	TWA: 10 ppm TWA: 40 mg/m ³ STEL: 20 ppm STEL: 80 mg/m ³ Sk*	TWA: 10 ppm TWA: 40 mg/m ³ STEL: 20 ppm STEL: 80 mg/m ³ vía dérmica*
2-ethylhexan-1-ol 104-76-7	TWA: 1 ppm TWA: 5.4 mg/m ³ H*	TWA: 10 ppm TWA: 54 mg/m ³	TWA: 50 ppm TWA: 270 mg/m ³	TWA: 1 ppm TWA: 5.4 mg/m ³ STEL: 3 ppm STEL: 16.2 mg/m ³	TWA: 1 ppm TWA: 1.54 mg/m ³ vía dérmica*
Naphthalene 91-20-3	TWA: 10 ppm TWA: 50 mg/m ³	TWA: 0.4 ppm TWA: 2 mg/m ³ H*	TWA: 10 ppm TWA: 50 mg/m ³	-	TWA: 10 ppm TWA: 53 mg/m ³ STEL: 15 ppm STEL: 80 mg/m ³ vía dérmica*

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
1-Methylpyrrolidin-2-one 872-50-4	-	-	-	20 mg/g Creatinine - urine (2-Hydroxy-N-methyl succinimide) - about 16 hours after completion of the work shift 70 mg/g Creatinine - urine (5-Hydroxy-N-methyl l-2-pyrrolidone) - 2-4 times after the work shift/break	-
Chemical name	Denmark	Finland	France	Germany	Germany MAK
1-Methylpyrrolidin-2-one 872-50-4	-	-	-	150 mg/L (urine - 5-Hydroxy-N-methyl -2-pyrrolidone end of shift) 150 mg/L - BAT (end of exposure or end of shift) urine	150 mg/L (urine - 5-Hydroxy-N-methyl -2-pyrrolidone end of shift)
Naphthalene 91-20-3	-	-	-	35 µg/L - BAR (end of exposure or end of shift) urine 35 µg/L - BAR (for long-term exposures: at the end of the shift after several shifts) urine	-
Chemical name	Hungary	Ireland	Italy	Italy REL	
1-Methylpyrrolidin-2-one 872-50-4	-	20 mg/g Creatinine (urine - 2-Hydroxy-N-Methylsuccinimide morning after shift (8 hours)) 70 mg/g Creatinine (urine - 5-Hydroxy-N-methyl-2-pyrrolidone 2-4 hours after	-	100 mg/L - urine (5-Hydroxy-N-methyl-2-pyrrolidone) - end of shift	

		the end of the shift)		
Naphthalene 91-20-3	-	4 µmol/mol Creatinine (urine - 1-Hydroxypyrene post shift)	-	- () - end of shift
Chemical name	Latvia	Luxembourg	Romania	Slovakia
Naphthalene 91-20-3	-	-	-	5.66 µg/L - urine (1-Hydroxypyrene) - end of exposure or work shift
Chemical name	Slovenia	Spain	Switzerland	United Kingdom
1-Methylpyrrolidin-2-one 872-50-4	150 mg/L - urine (5-Hydroxy-N-methyl-2-pyrrrolidine) - at the end of the work shift	20 mg/g Creatinine (urine - 2-Hydroxy-N-methylsuccinimide pre-shift) 70 mg/g Creatinine (urine - 5-Hydroxy-N-methyl-2-pyrrolidone between 2-4 hours after the final exposure)	-	-

8.2. Exposure controls

Personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Hand protection

Wear suitable gloves. Impervious gloves.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations

Do not breathe vapor or mist. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Color Clear pale yellow

Property	Values	Remarks • Method
pH	7.7 - 8.7	
pH (as aqueous solution)		
Melting point / freezing point		
Boiling point / boiling range		
Flash point	59 - 62 °C	
Evaporation rate	No data available.	
Flammability (solid, gas)	No data available.	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available.	

Lower flammability or explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1.0 - 1.1
Water solubility	Forms an emulsion
Solubility(ies)	No data available.
Partition coefficient	No data available.
Autoignition temperature	No data available.
Decomposition temperature	
Kinematic viscosity	No data available.
Dynamic viscosity	No data available.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Excessive heat.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Oral LD50	>2000 mg/kg. Based on available data, the classification criteria are not met.
Dermal LD50	>2000 mg/kg. Based on available data, the classification criteria are not met.
Inhalation LC50	No data available. Based on calculation method, the classification criteria are not met.
Skin corrosion/irritation	Non-irritating to the skin. Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	H318 - Causes serious eye damage. Classification based on test data.
Respiratory or skin sensitization	Skin Sens. 1 (H317). Classification based on test data.
Germ cell mutagenicity	Not classified. (Based on available data, the classification criteria are not met).

Chemical name	European Union
Pyriproxyfen	Not classified
1-Methylpyrrolidin-2-one	Not classified
Naphthalene	Not classified

Carcinogenicity Not classified. (Based on available data, the classification criteria are not met).

Chemical name	European Union
Pyriproxyfen	Not classified
1-Methylpyrrolidin-2-one	Not classified
Naphthalene	Carc. 2 (H351)

Reproductive toxicity H360D - May damage the unborn child. Classification based on data available for ingredients.

Chemical name	European Union
Pyriproxyfen	Not classified
1-Methylpyrrolidin-2-one	Repr. 1B (H360D)
Naphthalene	Not classified

STOT - single exposure Cat 3 (H336) - May cause drowsiness or dizziness. [Solvent Naphtha (Petroleum), Heavy Aromatic].

STOT - repeated exposure Not classified. (Based on available data, the classification criteria are not met).

Aspiration hazard H304 - May be fatal if swallowed and enters airways. [Solvent Naphtha (Petroleum), Heavy Aromatic].

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Very toxic to aquatic life:
H400 - Classification based on calculation method.

Very toxic to aquatic life with long lasting effects:
H410 - Classification based on calculation method.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Pyriproxyfen	Acute toxicity: EC50=0.094 mg/l	Acute toxicity: LC50 >0.27 mg/l	-	Acute toxicity: EC50=0.4 mg/l Chronic toxicity: NOEC=0.0012 mg/l

12.2. Persistence and degradability

Persistence and degradability Rapidly biodegradable. (Pyriproxyfen).

12.3. Bioaccumulative potential

Bioaccumulation Bioaccumulative potential. (Pyriproxyfen).

Bioconcentration factor (BCF) 1175-1246 (Pyriproxyfen)

Component Information

Chemical name	Partition coefficient
Pyriproxyfen	log Kow = 5.37

1-Methylpyrrolidin-2-one	-0.46
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12.4. Mobility in soil

Mobility in soil Immobile: KFoc 11,820–35,728 mL/g (Pyriproxyfen).

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The components in formulation do not meet the criteria for classification as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Pyriproxyfen	The substance is not PBT / vPvB
Solvent Naphtha (Petroleum), Heavy Aromatic	The substance is not PBT / vPvB
4-Nonylphenol, branched, ethoxylated	The substance is not PBT / vPvB
1-Methylpyrrolidin-2-one	The substance is not PBT / vPvB PBT assessment does not apply
2-ethylhexan-1-ol	The substance is not PBT / vPvB
Naphthalene	The substance is not PBT / vPvB

12.6. Other adverse effects**Endocrine Disruptor Information**

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances
4-Nonylphenol, branched, ethoxylated	Group III Chemical	-
Naphthalene	Group III Chemical	-

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information**IMDG**

14.1 UN number	1993
14.2 UN proper shipping name	Flammable liquid, n.o.s. [Solvent Naphtha (Petroleum), Heavy Aromatic]
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Marine pollutant	Yes
Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	None
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	

RID

14.1 UN number	1993
14.2 UN proper shipping name	Flammable liquid, n.o.s. [Solvent Naphtha (Petroleum), Heavy Aromatic]
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number	1993
14.2 UN proper shipping name	Flammable liquid, n.o.s. [Solvent Naphtha (Petroleum), Heavy Aromatic]
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	None

IATA

14.1 UN number	1993
14.2 UN proper shipping name	Flammable liquid, n.o.s. [Solvent Naphtha (Petroleum), Heavy Aromatic]
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****France****Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number	Title
Solvent Naphtha (Petroleum), Heavy Aromatic 64742-94-5	RG 84	-
1-Methylpyrrolidin-2-one 872-50-4	RG 84	-

Germany

Water hazard class (WGK) Obviously hazardous to water (WGK 2)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
4-Nonylphenol, branched, ethoxylated - 127087-87-0		X
1-Methylpyrrolidin-2-one - 872-50-4	72. 30. 71.	

Persistent Organic Pollutants

Not applicable

Export Notification requirements

This product contains substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals

Chemical name	European Export/Import Restrictions per (EC) 689/2008 - Annex Number
4-Nonylphenol, branched, ethoxylated - 127087-87-0	I.1 I.2

Dangerous substance category per Seveso Directive (2012/18/EU)

H2 - ACUTE TOXIC

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable**International Inventories**

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AICS	Contact supplier for inventory compliance status

Legend:**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**15.2. Chemical safety assessment****SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H351 - Suspected of causing cancer

H360D - May damage the unborn child

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average)

Ceiling Maximum limit value

STEL

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STEL (Short Term Exposure Limit)

Skin designation

Classification procedure

H226 - Classification based on test data

H304 - Classification based on calculation method

H317 - Classification based on test data

H318 - Classification based on test data

H336 - Classification based on calculation method

H360D - Classification based on calculation method

H400 - Classification based on calculation method

H410 - Classification based on calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision date

13-Nov-2022

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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End of Safety Data Sheet