# 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 17-May-2022

Revision Number 1

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

1.1. Product identifier	
Product Name	ATLAS
Product Code(s)	TP.3037.I.1ISR
Chemical name	Bifenthrin 100 EC
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 sa	afety 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	

### 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**

For further information, please contact sds@tapazol.co.il

#### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Aspiration hazard	Category 1 - (H304)
Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Carcinogenicity	Category 2 - (H351)
Reproductive toxicity	Category 1 - (H360D)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

### 2.2. Label elements

Contains Solvent Naphtha (Petroleum), Heavy Aromatic, 4-Nonylphenol, branched, ethoxylated, Bifenthrin (ISO), 1-Methylpyrrolidin-2-one



Signal word Danger

#### Hazard statements

- H302 Harmful if swallowed
- H304 May be fatal if swallowed and enters airways
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H319 Causes serious eye irritation
- H332 Harmful if inhaled
- H336 May cause drowsiness or dizziness
- H351 Suspected of causing cancer
- H360D May damage the unborn child
- H372 Causes damage to organs through prolonged or repeated exposure
- H410 Very toxic to aquatic life with long lasting effects

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

- P102 Keep out of reach of children
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- 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
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 Immediately call a POISON CENTER or doctor
- P331 Do NOT induce vomiting
- P391 Collect spillage
- P405 Store locked up
- P501 Dispose of contents/ container to an approved waste disposal plant

#### Additional information

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 Disrupters Candidate List	EU - Endocrine Disrupters - 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]
Bifenthrin (ISO)	-	82657-04-3	9-12	Acute Tox. 2 (H300)
				Skin Sens. 1B (H317)
				Acute Tox. 3 (H331)
				Carc. 2 (H351)
				STOT RE 1 (H372)
				(nervous system)
				Aquatic Acute 1 (H400)
				M=10000
				Aquatic Chronic 1
				(H410) M=100000
Solvent Naphtha (Petroleum),	265-198-5	64742-94-5	58-66	Asp. Tox. 1 (H304)
Heavy Aromatic	200 100 0	0.1.120.00		STOT SE 3 (H336)
licary / "onlate				Aquatic Chronic 2
				(H411)
4-Nonylphenol, branched,		127087-87-0	11-14	Acute Tox. 4 (H302)
ethoxylated		121001010		Acute Tox. 4 (H332)
olitoxylatod				Eye Dam. 1 (H318)
				Aquatic Chronic 2
				(H411)
1-Methylpyrrolidin-2-one	212-828-1	872-50-4	7-10	Skin Irrit. 2 (H315)
1-metrypyrrolidiir-2-one	212-020-1	072-30-4	7-10	Eye Irrit. 2 (H319)
				Repr. 1B (H360D)
Nonhtholono	202 040 E	01.20.2	0.2.0.9	STOT SE 3 (H335)
Naphthalene	202-049-5	91-20-3	0.3-0.8	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	Х
4-Nonylphenol, branched, ethoxylated	127087-87-0	Х

## 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. IF exposed or concerned: Get medical advice/attention.
Inhalation	Remove to fresh air. 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.
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. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Get immediate medical advice/attention. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious

	person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.			
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Avoid breathing vapors or mists. See section 8 for more information.			
4.2. Most important symptoms and	effects, both acute and delayed			
Symptoms	Burning sensation. Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation.			
4.3. Indication of any immediate medical attention and special treatment needed				
Note to physicians	May cause sensitization in susceptible persons. Treat symptomatically. 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.			

SECTION 5: Firefighting m	neasures
5.1. Extinguishing media	
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Small Fire Large Fire	Dry chemical, CO2, water spray or regular foam. 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.
5.2. Special hazards arising from the	ne substance or mixture
Specific hazards arising from the chemical	Product is or contains a sensitizer. May cause sensitization by skin contact.
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.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing vapors or mists.
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	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.

## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes. Avoid breathing vapors or mists.
General hygiene considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.
7.2. Conditions for safe storage, inc	luding any incompatibilities
Storage Conditions	Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store away from other materials.

## 7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

## 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 <sup>3</sup> STEL: 20 ppm STEL: 80 mg/m <sup>3</sup> *	TWA: 10 ppm TWA: 40 mg/m <sup>3</sup> STEL 20 ppm STEL 80 mg/m <sup>3</sup> H* Skin sensitizer	TWA: 10 ppm TWA: 40 mg/m <sup>3</sup> STEL: 20 ppm STEL: 80 mg/m <sup>3</sup> *	TWA: 40 mg/m³ STEL: 80 mg/m³ H*	STEL: 20 ppm STEL: 80 mg/m <sup>3</sup> TWA: 10 ppm TWA: 40 mg/m <sup>3</sup> K*
Naphthalene 91-20-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> H*	TWA: 10 ppm TWA: 53 mg/m <sup>3</sup> STEL: 15 ppm STEL: 80 mg/m <sup>3</sup> *	TWA: 50 mg/m³ STEL: 80 mg/m³ H*	STEL: 75.0 mg/m³ TWA: 50.0 mg/m³
Chemical name	Denmark	Germany	France	United Kingdom	Spain
1-Methylpyrrolidin-2-one 872-50-4	TWA: 5 ppm TWA: 20 mg/m <sup>3</sup> H*	TWA: 20 ppm TWA: 82 mg/m <sup>3</sup> H*	TWA: 40 mg/m <sup>3</sup> TWA: 10 ppm STEL: 80 mg/m <sup>3</sup> STEL: 20 ppm *	TWA: 10 ppm TWA: 40 mg/m <sup>3</sup> STEL: 20 ppm STEL: 80 mg/m <sup>3</sup> Sk*	TWA: 10 ppm TWA: 40 mg/m <sup>3</sup> STEL: 20 ppm STEL: 80 mg/m <sup>3</sup> vía dérmica*

## ATLAS

Naphthalene 91-20-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	TWA: 0.4 ppm TWA: 2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	-	TWA: 10 ppm TWA: 53 mg/m <sup>3</sup>
		H*			STEL: 15 ppm STEL: 80 mg/m <sup>3</sup>
					vía dérmica*

## **Biological occupational exposure limits**

Chemical name	European Union	Austria	Bulg	jaria	Croatia		Czech Republic
1-Methylpyrrolidin-2-one	-	-	-		20 mg/g Creatir	nine -	-
872-50-4					urine		
					(2-Hydroxy-N-n		
					Isuccinimide		
					about 16 hours		
					completion of	the	
					work shift		
					70 mg/g Creatir	nine -	
					urine		
					(5-Hydroxy-N-n		
					I-2-pyrrolidone) times after the		
					shift/break		
Chemical name	Denmark	Finland	Fra	nce	Germany		Germany MAK
1-Methylpyrrolidin-2-one	-	-	-		150 mg/L (uri	ne -	150 mg/L (urine -
872-50-4							5-Hydroxy-N-methyl
					-2-pyrrolidone		-2-pyrrolidone end
					of shift)		of shift)
					150 mg/L - B	AT	
					(end of exposu		
					end of shift) u		
Naphthalene	-	-	-		35 µg/L - BAR		-
91-20-3					of exposure or		
					of shift) urin		
					35 µg/L - BAR	(for	
					long-term	the	
					exposures: at end of the shift		
					several shifts)		
Chemical name	Hungary	Irelan	d		Italy		Italy REL
1-Methylpyrrolidin-2-one	-	20 mg/g Creati			-	1	100 mg/L - urine
872-50-4		-				(5-H)	/droxy-N-methyl-2-p
		2-Hydroxy-N-W				yrrol	idone) - end of shift
		nimide morning					
		(8 hour					
		70 mg/g Creati	nine (urine				
		-					
		5-Hydroxy-N-m rrolidone 2-4 h					
		the end of th					
Naphthalene	-	4 µmol/mol C			-	-	() - end of shift
91-20-3		(urine - 1-Hydr					
		post sh					
Chemical name	Latvia	Luxembo		R	omania		Slovakia
Naphthalene	-	-			-		5.66 µg/L - urine
91-20-3							ydroxypyrene) - end
							posure or work shift
Chemical name	Slovenia	Spair		Sw	itzerland	l	Jnited Kingdom
1-Methylpyrrolidin-2-one	150 mg/L - urine	20 mg/g Creati	nine (urine		-		-
872-50-4	(5-Hydroxy-N-methyl-2-p						
	yrrolidine) - at the end of						
	the work shift	nimide pre	-shift)				

70 mg/g Creatinine (urine	
-	
5-Hydroxy-N-methyl-2-py	
rrolidone 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.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	yellow
Odor	Aromatic Solvent
Property	Values
рН	6 - 7
pH (as aqueous solution)	
Melting point / freezing point	
Boiling point / boiling range	
Flash point	>60 °C
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Flammability Limit in Air	
Upper flammability or explosive	No data available.
limits	
Lower flammability or explosive	No data available.
limits	
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	0.97 - 1.07
Water solubility	Dispersible
Solubility(ies)	No data available.
Partition coefficient	No data available.
Autoignition temperature	No data available.
Decomposition temperature	
Kinematic viscosity	18.8 mm²/s
Dynamic viscosity	No data available.
0.2 Other information	

Remarks • Method

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

10.2. Chemical stability			
Stability	Stable under normal conditions.		
Explosion data Sensitivity to mechanical impac Sensitivity to static discharge	t None. 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 Dermal LD50 Inhalation LC50	500 mg/kg. Acute Tox. 4 (H302) Classification based on test data. >2000 mg/kg. Based on available data, the classification criteria are not met. 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	Irritating to eyes. Eye Irrit. 2 - H319. Classification based on test data.
Respiratory or skin sensitization	Skin sensitizer. Skin Sens. 1 (H317). Classification based on test data.

### Germ cell mutagenicity

Chemical name		European Union
Bifenthrin (ISO)		Not classified
1-Methylpyrrolidin-2-one		Not classified
Naphthalene		Not classified
Carcinogenicity	H351 - Suspected of caus	ing cancer. Classification based on calculation method.

•	-
Chemical name	European Union
Bifenthrin (ISO)	Cat.2 (H351)

ononnoa namo	Earopoan officin
Bifenthrin (ISO)	Cat.2 (H351)
1-Methylpyrrolidin-2-one	Not classified
Naphthalene	Carc. 2 (H351)

### **Reproductive toxicity**

H360D - May damage the unborn child. Classification based on calculation method.

Chemical name European Union

Bifenthrin (ISO)	Not classified
1-Methylpyrrolidin-2-one	Repr. 1B (H360D)
Naphthalene	Not classified

STOT - single exposure	H336 - May cause drowsiness or dizziness. Classification based on calculation method.
STOT - repeated exposure	H372 - Causes damage to organs through prolonged or repeated exposure. Classification based on calculation method.
Aspiration hazard	Not classified. (Based on available data, the classification criteria are not met).

## **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.

Highly toxic to bees [Bifenthrin].

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Bifenthrin (ISO)	Acute toxicity: LC50 =	Acute: LC50=0.0001	Acute toxicity: LC50 =	Acute: EC50=0.00011
	0.822 mg/L; Chronic	mg/L	0.000015 mg/L;	mg/L
	toxicity NOEC = $10 \text{ mg/L}$	Chronic NOEC=0.000012	Chronic toxicity: NOEC =	Chronic
		mg/L	NA	NOEC=0.00000095 mg/L

### 12.2. Persistence and degradability

Persistence and degradability Not rapidly degradable [Bifenthrin].

#### 12.3. Bioaccumulative potential

Bioaccumulation Bioaccumulative potential [Bifenthrin].

**Bioconcentration factor (BCF)** log Pow = 6.6 [Bifenthrin]

#### **Component Information**

Chemical name	Partition coefficient
Bifenthrin (ISO)	6.6
1-Methylpyrrolidin-2-one	-0.46

### 12.4. Mobility in soil

Mobility in soil

Low mobility in soil [Bifenthrin].

#### 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
Bifenthrin (ISO)	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
Naphthalene	The substance is not PBT / vPvB

### 12.6. Other adverse effects

### Endocrine Disruptor Information

Chemical name	EU - Endocrine Disrupters	EU - Endocrine Disrupters -
	Candidate List	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**

IMDG14.1 UN number14.2 UN proper shipping name14.3 Transport hazard class(es)14.4 Packing group14.5 Marine pollutant Environmental hazards14.6 Special precautions for user Special Provisions14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	3082 Environmentally hazardous substance, liquid, n.o.s. [Bifenthrin], [Solvent Naphtha (Petroleum), Heavy Aromatic] 9 III Yes Yes None
RID14.1UN number14.2UN proper shipping name14.3Transport hazard class(es)14.4Packing group14.5Environmental hazards14.6Special precautions for user Special Provisions	3082 Environmentally hazardous substance, liquid, n.o.s. [Bifenthrin], [Solvent Naphtha (Petroleum), Heavy Aromatic] 9 III Yes None
ADR 14.1 UN number 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environmental hazards 14.6 Special precautions for user Special Provisions	3082 Environmentally hazardous substance, liquid, n.o.s. [Bifenthrin], [Solvent Naphtha (Petroleum), Heavy Aromatic] 9 III Yes None
IATA 14.1 UN number 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environmental hazards 14.6 Special precautions for user	3082 Environmentally hazardous substance, liquid, n.o.s. [Bifenthrin], [Solvent Naphtha (Petroleum), Heavy Aromatic] 9 III Yes

**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	RG 84	-
64742-94-5		
1-Methylpyrrolidin-2-one	RG 84	-
872-50-4		

#### 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	Substance subject to authorization per
	Annex XVII	REACH Annex XIV
4-Nonylphenol, branched, ethoxylated - 127087-87-0		Х
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	l.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 Contact supplier for inventory compliance status ENCS Contact supplier for inventory compliance status **IECSC** Contact supplier for inventory compliance status KECL PICCS Contact supplier for inventory compliance status Contact supplier for inventory compliance status AICS

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

### H300 - Fatal if swallowed

- H302 Harmful if swallowed
- H304 May be fatal if swallowed and enters airways
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H319 Causes serious eye irritation
- H331 Toxic if inhaled
- 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
- H372 Causes damage to organs through prolonged or repeated exposure
- 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

#### Legend

SVHC: Substances of Very High Concern for Authorization:

#### Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	
Ceiling	Maximum limit value	*	

#### Classification procedure

- H302 Classification based on test data
- H304 Classification based on test data
- H315 Classification based on Plant Protection authority opinion in Israel
- H317 Classification based on test data
- H319 Classification based on test data
- H332 Classification based on Plant Protection authority opinion in Israel
- H336 Classification based on calculation method
- H351 Classification based on calculation method
- H360D Classification based on calculation method
- H372 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)

STEL (Short Term Exposure Limit) Skin designation 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

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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