

# 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 23-Feb-2022

Revision Number 1

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

### 1.1. Product identifier

**Product Name** PLATOON  
**Product Code(s)** TP.1017.H.1\_\_\_ISR  
**Chemical name** Fluroxypyr-meptyl 200 EC  
**Pure substance/mixture** Mixture

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

**Recommended use** Herbicide; 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](mailto: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

<b>Aspiration hazard</b>	Category 1 - (H304)
<b>Skin corrosion/irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 1 - (H318)
<b>Skin sensitization</b>	Category 1 - (H317)
<b>Reproductive toxicity</b>	Category 2 - (H361)
<b>Specific target organ toxicity (single exposure)</b>	Category 3 - (H336)
<b>Acute aquatic toxicity</b>	Category 1 - (H400)
<b>Chronic aquatic toxicity</b>	Category 1 - (H410)

### 2.2. Label elements

Contains Solvent Naphtha (Petroleum), Heavy Aromatic, Benzenesulfonic acid, C10-13-alkyl calcium salt, 2-methylpropan-1-ol iso-butanol

**Signal word**

Danger

**Hazard statements**

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

H336 - May cause drowsiness or dizziness

H361 - Suspected of damaging fertility or 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

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

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

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

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

P310 - Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

P362 + P364 - Take off contaminated clothing and wash it before reuse

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

**Additional information**

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

This product requires child resistant fastenings 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
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]
Fluroxypyr-meptyl (ISO)	279-752-9	81406-37-3	28-32	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

Solvent Naphtha (Petroleum), Heavy Aromatic	265-198-5	64742-94-5	52-58	Asp. Tox. 1 (H304) STOT SE 3 (H336) Aquatic Chronic 2 (H411)
Benzenesulfonic acid, C10-13-alkyl calcium salt	-	932-231-6	4-7	Skin irrit. 2 (H315) Eye dam.1 (H318) Aquatic Chronic 3 (H412)
Ethoxylated oleyl amine, dodecylbenzenesulphonic salt	613-939-1	66467-20-7	3-6	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)
2-methylpropan-1-ol iso-butanol	201-148-0	78-83-1	3-5	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) STOT SE 3 (H336) Flam. Liq. 3 (H226)
Poly(oxy-1,2-ethanediyl), .alpha.-[tris(1-phenylethyl)phenyl]-.omega.ga.- hydroxy	619-457-8	99734-09-5	0.5-2	Aquatic Chronic 3 (H412)
Naphthalene	202-049-5	91-20-3	< 0.06	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 does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	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.
<b>Eye contact</b>	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.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. 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.
<b>Self-protection of the first aider</b>	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.

#### **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. Prolonged contact may cause redness and irritation.

#### **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.

### **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<sub>2</sub>, 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.

#### **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.

### **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.

**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. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations**

Avoid contact with skin, eyes or clothing. 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**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. 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
2-methylpropan-1-ol iso-butanol 78-83-1	-	TWA: 50 ppm TWA: 150 mg/m <sup>3</sup> STEL 200 ppm STEL 600 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 154 mg/m <sup>3</sup>	-	-
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/m <sup>3</sup> STEL: 80 mg/m <sup>3</sup> H*	STEL: 75.0 mg/m <sup>3</sup> TWA: 50.0 mg/m <sup>3</sup>
Chemical name	Denmark	Germany	France	United Kingdom	Spain
2-methylpropan-1-ol iso-butanol 78-83-1	Ceiling: 50 ppm Ceiling: 150 mg/m <sup>3</sup> H*	TWA: 100 ppm TWA: 310 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 150 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 154 mg/m <sup>3</sup> STEL: 75 ppm STEL: 231 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 154 mg/m <sup>3</sup>
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> H*	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	-	TWA: 10 ppm TWA: 53 mg/m <sup>3</sup> STEL: 15 ppm STEL: 80 mg/m <sup>3</sup> via dérmica*

**Biological occupational exposure limits**

Chemical name	Denmark	Finland	France	Germany	Germany MAK
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	-

Chemical name	Hungary	Ireland	Italy	Italy REL
Naphthalene 91-20-3	-	4 µmol/mol Creatinine (urine - 1-Hydroxypyrene post shift)	-	- () - end of shift
Chemical name	Latvia	Luxembourg	Romania	Slovakia
Fluroxypyr-meptyl (ISO) 81406-37-3	-	-	5 mg/g Creatinine - urine (Fluorine) - end of shift	-
Naphthalene 91-20-3	-	-	-	5.66 µg/L - urine (1-Hydroxypyrene) - end of exposure or work shift

## 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** Avoid contact with skin, eyes or clothing. 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** brown

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	5.5 - 6.5	5% solution
<b>pH (as aqueous solution)</b>		
<b>Melting point / freezing point</b>		
<b>Boiling point / boiling range</b>		
<b>Flash point</b>	No data available.	
<b>Evaporation rate</b>	No data available.	
<b>Flammability (solid, gas)</b>	No data available.	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	No data available.	
<b>Lower flammability or explosive limits</b>	No data available.	
<b>Vapor pressure</b>	No data available.	
<b>Vapor density</b>	No data available.	
<b>Relative density</b>	0.92 - 1.02	25 °C
<b>Water solubility</b>	Forms an emulsion	
<b>Solubility(ies)</b>	No data available.	
<b>Partition coefficient</b>	No data available.	
<b>Autoignition temperature</b>	No data available.	
<b>Decomposition temperature</b>		
<b>Kinematic viscosity</b>	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 None known based on information supplied.

### 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 Irritating to skin Skin Irrit. 2 - H315

Serious eye damage/eye irritation Causes serious eye irritation. Eye Dam. 1 - H318.

Respiratory or skin sensitization Skin sensitizer. Skin Sens. 1 - H317.

#### Germ cell mutagenicity

Chemical name	European Union
Fluroxypyr-meptyl (ISO)	Not classified
Naphthalene	Not classified

#### Carcinogenicity

Chemical name	European Union
Fluroxypyr-meptyl (ISO)	Not classified
Naphthalene	Carc. 2 (H351)

**Reproductive toxicity**

Chemical name	European Union
Fluroxypyr-meptyl (ISO)	Not classified
Naphthalene	Not classified

**STOT - single exposure** Cat 3 (H336) - May cause drowsiness or dizziness.

**STOT - repeated exposure** Not classified. (Based on calculation method classification criteria are not met).

**Aspiration hazard** H304 - May be fatal if swallowed and enters airways.

**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
Fluroxypyr-meptyl (ISO)	Acute toxicity: LC50 > 0.5 mg/l; Chronic toxicity: NOEC: Not available	Acute toxicity: LC50 > 0.225 mg/l; Chronic toxicity: NOEC = 0.2 mg/l	-	Acute toxicity: LC50 > 0.183 mg/l; Chronic toxicity: NOEC = 0.06 mg/l
2-methylpropan-1-ol iso-butanol	-	375 1370 1480 1120	-	1300 1070

**12.2. Persistence and degradability**

**Persistence and degradability** Non-persistent [Fluroxypyr-meptyl].

**12.3. Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

**Bioconcentration factor (BCF)** No data available

**Component Information**

Chemical name	Partition coefficient
Fluroxypyr-meptyl (ISO)	Log P: 5.04 (pH 7, 20 °C)

**12.4. Mobility in soil**

**Mobility in soil** Non-mobile [Fluroxypyr-meptyl].

**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
Fluroxypyr-meptyl (ISO)	The substance is not PBT / vPvB
Solvent Naphtha (Petroleum), Heavy Aromatic	The substance is not PBT / vPvB
Benzenesulfonic acid, C10-13-alkyl calcium salt	The substance is not PBT / vPvB
Ethoxylated oleyl amine, dodecylbenzenesulphonic salt	The substance is not PBT / vPvB
2-methylpropan-1-ol iso-butanol	The substance is not PBT / vPvB



Poly(oxy-1,2-ethanediyl), .alpha.- [tris(1-phenylethyl)phenyl]-.omega.-hydroxy	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
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 3082  
 14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. [Fluroxypyr-meptyl]  
 14.3 Transport hazard class(es) 9  
 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 3082  
 14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. [Fluroxypyr-meptyl]  
 14.3 Transport hazard class(es) 9  
 14.4 Packing group III  
 14.5 Environmental hazards Yes  
 14.6 Special precautions for user  
 Special Provisions None

**ADR**

14.1 UN number 3082  
 14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. [Fluroxypyr-meptyl]  
 14.3 Transport hazard class(es) 9  
 14.4 Packing group III  
 14.5 Environmental hazards Yes  
 14.6 Special precautions for user  
 Special Provisions None

**IATA**

14.1 UN number 3082  
 14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. [Fluroxypyr-meptyl]  
 14.3 Transport hazard class(es) 9  
 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	-
2-methylpropan-1-ol iso-butanol 78-83-1	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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

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

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

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

**International Inventories**

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

H226 - Flammable liquid and vapor  
 H302 - Harmful if swallowed  
 H304 - May be fatal if swallowed and enters airways  
 H315 - Causes skin irritation  
 H318 - Causes serious eye damage  
 H335 - May cause respiratory irritation  
 H336 - May cause drowsiness or dizziness  
 H351 - Suspected of causing cancer  
 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)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Classification procedure**

H304 - Classification based on calculation method  
 H315 - Classification based on test data  
 H317 - Classification based on test data  
 H318 - Classification based on test data  
 H336 - Classification based on calculation method  
 H361 - Classification based on Plant Protection authority opinion in Israel  
 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 23-Feb-2022

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

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the**

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date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**