

# SAFETY DATA SHEET

## Impact 12.5 SC

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 453/2010 and Regulation (EC) No. 1272/2008



SDS # : FO004120-A  
Revision date: 2019-05-22  
Format: EU  
Version 1

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Code(s) FO004120-A  
Product Name Impact 12.5 SC

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

Recommended Use: Fungicide  
Restrictions on Use: Use as recommended by the label.

#### 1.3. Details of the supplier of the safety data sheet

Supplier CHEMINOVA A/S, a subsidiary of FMC Corporation  
Thyborønvej 78  
DK-7673 Harbøre  
Denmark  
+45 9690 9690  
SDS.Ronland@fmc.com

For further information, please contact:

Contact point E-Mail: msdsinfo@fmc.com  
Phone: +1 215-299-6000 (General Information)

#### 1.4. Emergency telephone number

Emergency telephone Medical emergencies:

Austria: +43 1 406 43 43  
Belgium: +32 70 245 245  
Bulgaria: +359 2 9154 409  
Cyprus: 1401  
Czech Republic: +420 224 919 293, +420 224 915 402  
Denmark: +45 82 12 12 12  
France: +33 (0) 1 45 42 59 59  
Finland: +358 9 471 977  
Greece: 30 210 77 93 777  
Hungary: +36 80 20 11 99  
Ireland (Republic): +352 1 809 2166  
Italy: +39 02 6610 1029  
Lithuania: +370 523 62052, +370 687 53378  
Luxembourg: +352 8002 5500  
Netherlands: +31 30 274 88 88  
Norway: +47 22 591300  
Poland: +48 22 619 66 54, +48 22 619 08 97  
Portugal: 808 250 143 (in Portugal only), +351 21 330 3284  
Romania: +40 21318 3606  
Slovakia: +421 2 54 77 4 166

Slovenia: +386 41 650 500  
Spain: +34 91 562 04 20  
Sweden: +46 08-331231112  
Switzerland: 145  
United Kingdom: 0870 600 6266 (in the UK only)  
U.S.A. & Canada: +1 800 / 331-3148  
All other countries: +1 651 / 632-6793 (Collect)

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture *Regulation (EC) No 1272/2008*

Skin sensitization	Category 1B (H317)
Chronic aquatic toxicity	Category 1 (H410)

### 2.2. Label elements

#### Hazard pictograms



#### Signal Word

Warning

#### Hazard Statements

H317 - May cause an allergic skin reaction

H410 - Very toxic to aquatic life with long lasting effects

EUH208 - May produce an allergic reaction: contains 1,2-benzisothiazol-3 (2H) -one

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

#### Precautionary Statements

P261: Avoid breathing vapors.

P270 - Do not eat, drink or smoke when using this product

P280 - Wear protective gloves

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P102 - Keep out of reach of children

P405 - Store locked up

### 2.3. Other hazards

None of the ingredients in the product meets the criteria for being PBT or vPvB.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

The product is a mixture, not a substance.

### 3.2 Mixture containing the following hazardous ingredients:

Chemical name	EC-No	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Flutriafol	-	76674-21-0	11.8	Acute Tox. 4 (H302) Aquatic Chronic 2 (H411)	No data available
Alcohols, C13-15 Branched and Linear,	-	157627-86-6	5-10	Acute Tox. 4 (H302) Eye Dam. 1 (H318)	No data available

Ethoxylated				Aquatic Acute 1 (H400)	
Propylene glycol	200-338-0	57-55-6	5-10	Not classified	No data available

**Additional Information**

Contains 1,2-Benzisothiazolin-3-one (CAS number 2634-33-5) at a level below the concentration limit for classification of the mixture as sensitising.

For the full text of the H- and EUH- phrases mentioned in this Section, see Section 16

## Section 4: FIRST AID MEASURES

**4.1. Description of first aid measures**

<b>Eye Contact</b>	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult or if discomfort occurs and persists, obtain medical attention.
<b>Ingestion</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not induce vomiting or give anything by mouth to an unconscious person.
<b>Protection of first-aiders</b>	Use personal protective equipment. See Section 8 for more detail.

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

<b>Most important symptoms and effects, both acute and delayed</b>	Asthma-like and/or skin allergy-like symptoms. When fed to animals at high dosage, similar products caused salivation, depression of activity, muscle spasms, ataxia and increased body temperature.
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**4.3. Indication of any immediate medical attention and special treatment needed**

<b>Indication of immediate medical attention and special treatment needed, if necessary</b>	Immediate medical attention is required in cases of ingestion. There is no specific antidote against this substance. Gastric lavage and/or administration of activated charcoal can be considered. After decontamination, treatment is supportive and symptomatic as for a general chemical.
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## Section 5: FIRE FIGHTING MEASURES

**5.1. Extinguishing media****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

<b>Small Fire</b>	Dry chemical, Carbon dioxide (CO <sub>2</sub> ).
<b>Large Fire</b>	Water spray, Foam.

**Unsuitable extinguishing media**

Avoid heavy hose streams.

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating gases and vapors.

**Hazardous Combustion  
Products**

Nitrogen oxides (NOx), Hydrogen chloride, Carbon oxides (COx), Sulfur dioxide, and various chlorinated organic compounds.

**5.3. Advice for firefighters**

Use water spray to cool fire exposed surfaces and protect personnel. As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate upwind.

**Section 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures****Personal Precautions**

It is recommended to have a predetermined plan for the handling of spills. Empty, closable vessels for the collection of spills should be available.

In case of large spill (involving 10 tonnes of the product or more):

Observe all safety precautions when cleaning up spills. Use personal protection equipment. Depending on the magnitude of the spill this may mean wearing respirator, face mask or eye protection, chemical resistant clothing, gloves and rubber boots. Stop the source of the spill immediately if safe to do so. Keep unprotected persons away from the spill area.

For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Keep out of waterways. Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.

**6.3. Methods and material for containment and cleaning up****Methods for Containment**

If appropriate, surface water drains should be covered. Minor spills on the floor or other impervious surface should immediately be swept up or preferably vacuumed up using equipment with high efficiency final filter. Transfer to suitable containers. Clean area with detergent and much water. Absorb wash liquid onto inert absorbent such as universal binder, Fuller's earth, bentonite or other absorbent clay and collect in suitable containers. The used containers should be properly closed and labelled.

**Methods for cleaning up**

Sweep up and shovel into suitable containers for disposal. Clean and neutralize spill area, tools and equipment for a minimum contact of one hour with vinegar-alcohol solution, then by bleach, soap, and water. Dispose of waste as indicated in Section 13.

**6.4. 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****Handling**

Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In an industrial environment, it is recommended to avoid any personal contact with the product, if possible, using remotely controlled systems with remote control. Otherwise, it is recommended to process the material with maximum mechanical means. Adequate ventilation or local exhaust ventilation is required. Exhaust gases must be filtered or treated differently. For personal protection in this situation, see Section 8. Remove contaminated clothing and shoes. Wash thoroughly after handling. Use protective gloves made from chemicals such as nitrile or neoprene. Wash gloves with soap and water before reuse. Check regularly for leaks. Do not dispose into the environment. Do not contaminate water when disposing of the flushing water for equipment. Collect all waste and residues from cleaning equipment, etc. And dispose of them as hazardous waste. See Section 13 for disposal.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities****Storage**

Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep from freezing. Keep out of reach of children and animals. Keep/store only in original container.

**7.3. Specific end use(s)****Specific Use(s)**

The product is a registered pesticide which may only be used for the applications it is registered for, in accordance with a label approved by the regulatory authorities.

**Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

According to our knowledge, no personal limits have been set exposure to flutriafol. An internal TLV of 1.5 mg / m<sup>3</sup> (8 hr TWA) for flutriafol is recommended by the manufacturer.

Chemical name	European Union	The United Kingdom	France	Spain	Germany
Propylene glycol 57-55-6	-	STEL 450 ppm STEL 1422 mg/m <sup>3</sup> STEL 30 mg/m <sup>3</sup> TWA 150 ppm TWA 474 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup>	-	-	-
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Propylene glycol 57-55-6	-	-	TWA 100 mg/m <sup>3</sup>	TWA 25 ppm TWA 79 mg/m <sup>3</sup> STEL 37.5 ppm STEL 118.5 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup> TWA 150 ppm TWA 470 mg/m <sup>3</sup> STEL 1410 mg/m <sup>3</sup> STEL 30 mg/m <sup>3</sup> STEL 450 ppm

**Derived No Effect Level (DNEL)**

Flutriafol  
DNEL .....0.05 mg / kg bw / day

Propylene glycol  
DNEL, inhalation, system .....183 mg/m<sup>3</sup>  
DNEL, inhalation, topical .....10 mg/m<sup>3</sup>.

**Predicted No Effect Concentration (PNEC)**

Flutriafol  
PNEC, aquatic environment ..... 6.2 µg/L

Propylene glycol  
PNEC, water ..... 260 mg/L  
PNEC, seawater ..... 26 mg/L  
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**8.2. Exposure controls****Engineering measures**

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

**Personal protective equipment**

<b>Eye/Face Protection</b>	For dust, splash, mist or spray exposure, wear chemical protective goggles. Provide emergency on-site eyewash.
<b>Hand Protection</b>	Wear chemical protective gloves made of materials such as nitrile or neoprene.
<b>Skin and Body Protection</b>	Minimize skin contamination by following good industrial hygiene practices. Wear suitable protective clothing. Protective shoes or boots.
<b>Respiratory Protection</b>	The product does not automatically present an airborne exposure concern during normal handling. In the event of an accidental discharge of the material which produces a heavy vapour or mist, workers should put on officially approved respiratory protection equipment with a universal filter type including particle filter.

**Environmental exposure controls** No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Liquid Suspension
<b>Appearance</b>	Off-white / brown
<b>Odor</b>	Characteristic odor between fish-and glue-like
<b>Color</b>	No information available
<b>Odor threshold</b>	No information available
<b>pH</b>	4.5 - 5 (1% dilution in water)
<b>Melting point/freezing point</b>	< 0 °C
<b>Boiling Point/Range</b>	> 100 °C
<b>Flash point</b>	> 100 °C
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	
<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	Flutriafol: $7.1 \times 10^{-9}$ Pa at 20°C
<b>Vapor density</b>	No information available
<b>Specific gravity</b>	No information available
<b>Water solubility</b>	Dispersible in water: 130 mg/l at 20°C
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	No information available
Flutriafol: log Kow = 2.29	
<b>Autoignition temperature</b>	Approx. 450 °C
<b>Decomposition temperature</b>	No information available
<b>Viscosity, kinematic</b>	No information available
<b>Viscosity, dynamic</b>	25-35 mPas at 20°C depending on the shear rate
<b>Explosive properties</b>	Not explosive
<b>Oxidizing properties</b>	Non-oxidizing

### 9.2. Other information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content (%)</b>	No information available
<b>Relative density</b>	1.03 - 1.05 g/ml at 20°C
<b>Bulk density</b>	No information available
<b>K<sub>st</sub></b>	No information available

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

None under normal use conditions

## **10.2. Chemical stability**

Stable under recommended storage conditions.

### **Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

## **10.3. Possibility of hazardous reactions**

### **Hazardous polymerization**

Hazardous polymerization does not occur.

### **Hazardous reactions**

None known.

## **10.4. Conditions to avoid**

Heat, flames and sparks.

## **10.5. Incompatible materials**

Strong oxidizing agents, Strong acids, Strong bases.

## **10.6. Hazardous decomposition products**

Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

# **Section 11: TOXICOLOGICAL INFORMATION**

## **11.1. Information on toxicological effects**

### **Acute toxicity**

#### **Product Information**

No acute toxicity information is available for this product.

<b>LD50 Oral</b>	> 3000 mg/kg (rat) (Method: OECD 423)
<b>LD50 Dermal</b>	> 4000 mg/kg (rat) (Method: OECD 402)
<b>LC50 Inhalation</b>	> 2.10 mg/L 4 hr (rat) (Method: OECD 403)

<b>Chemical name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Flutriafol	= 1140 mg/kg ( Rat )		
Propylene glycol	20000 mg/kg ( Rat )	20800 mg/kg ( Rabbit )	

**Skin corrosion/irritation** Non-irritating (rabbit), (Method: OECD 404). (Based on a similar product).

**Serious eye damage/eye irritation** Mildly irritating (rabbit). (Method: OECD 405). (Based on a similar product).

**Sensitization** Weakly sensitizing. (Method: OECD 406)

**Mutagenicity** The product contains no ingredients known to be mutagenic.

**Carcinogenicity** This product is not considered to be a carcinogen.

**Reproductive toxicity** This product does not contain any known or suspected reproductive hazards.

**STOT - single exposure** No specific effects after single exposure have been observed.

**STOT - repeated exposure** The following is found for the active ingredient flutriafol: organ: liver  
Repeated exposure to flutriafol may cause liver damage. The LOEL for this effect has been found to be approx. 150 mg flutriafol/kg bw/day in a 90-day feeding study in rats.

**Aspiration hazard** The product does not present an aspiration pneumonia hazard.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecotoxicity

The ecotoxicity of the product is measured as:

-Invertebrates

Water flea (*Daphnia magna*).....21-day NOEC: 0.1 mg/L

Acute ecotoxicity was measured in a similar product as:

- Fish

Iridescent trout ( *Salmo gairdnerii* ).....96-h LC50 : 7.9 mg/L

- Invertebrates

*Daphnia magna* ( *Daphnia magna* ).....48-h EC50 : 7.5 mg/L

- Algae

Green algae ( *Pseudokirchneriella subcapitata* ).....72-h EC50 : 4.3 mg/L

Diatoms ( *Skeletonema costatum* ).....72-h EC50 : 3.2 mg/L

- Birds

Japanese quail ( *Coturnix coturnix japonica*.....14-day LD50 :> 2000 mg/kg bw

- Bees

Bees (*Apis mellifera*).....48-h LD50 , oral:> 100 µg/bee

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Flutriafol	Green algae ( <i>Selenastrum capricornutum</i> ), 96-h IC50: 12 mg/l ( <i>Scenedesmus subspicatus</i> ), 72-h IC50: 1.9 mg/l	Rainbow trout ( <i>Salmo gairdneri</i> ), 96 h-LC50: 61 mg/l 28-day NOEC: 6.2 mg/l	Daphnids ( <i>Daphnia magna</i> ) 48 h-EC50: > 78 mg/l 21-day NOEC: 0.31 mg/l
Propylene glycol	96 h EC50: = 19000 mg/L ( <i>Pseudokirchneriella subcapitata</i> )	96 h LC50: 41 - 47 mL/L ( <i>Oncorhynchus mykiss</i> ) static 96 h LC50: = 51400 mg/L ( <i>Pimephales promelas</i> ) static 96 h LC50: = 51600 mg/L ( <i>Oncorhynchus mykiss</i> ) static 96 h LC50: = 710 mg/L ( <i>Pimephales promelas</i> )	48 h EC50: > 1000 mg/L ( <i>Daphnia magna</i> ) Static 24 h EC50: > 10000 mg/L ( <i>Daphnia magna</i> )

### 12.2. Persistence and degradability

Flutriafol: Not readily biodegradable.

The product contains minor amounts of not readily biodegradable components, which may not be degradable in waste water treatment plants.

### 12.3. Bioaccumulative potential

See section 9 for n-octanol/water partition coefficient.

### 12.4. Mobility in soil

#### Mobility in soil

No information available.

#### Mobility

Flutriafol: Moderately mobile. Absorption depends on soil pH and organic matter content.



**12.5. Results of PBT and vPvB assessment**

None of the ingredients in the product meets the criteria for being PBT or vPvB.

**12.6. Other adverse effects**

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Flutriafol	Group III Chemical	-	-

## Section 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods****Waste from residues / unused products**

According to the Waste Framework Directive (2008/98/EC), possibilities for reuse or reprocessing should first be considered. If this is not feasible, the material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing.

Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

**Contaminated Packaging**

It is recommended to consider possible ways of disposal in the following order:

1. Reuse or recycling should first be considered. Reuse is prohibited except by the authorisation holder. If offered for recycling, containers must be emptied and triply rinsed (or equivalent). Do not discharge rinsing water to sewer systems.
2. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.
3. Delivery of the packaging to a licensed service for disposal of hazardous waste.
4. Disposal in a landfill or burning in open air should only occur as a last resort. For disposal in a landfill containers should be emptied completely, rinsed and punctured to make them unusable for other purposes. If burned, stay out of smoke.

## Section 14: TRANSPORT INFORMATION

**IMDG/IMO**

<b>14.1 UN/ID no</b>	UN3082
<b>14.2 Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s. (Flutriafol)
<b>14.3 Hazard class</b>	9
<b>14.4 Packing Group</b>	III
<b>14.5 Marine Pollutant</b>	Yes
<b>Environmental Hazard</b>	Marine Pollutant
<b>14.6 Special Provisions</b>	Avoid any unnecessary contact with the product. Misuse can result in damage to health. Do not release to the environment
<b>EmS No.</b>	F-A, S-F
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	The product is not transported in bulk by ship.

**RID**

<b>14.1 UN/ID no</b>	UN3082
<b>14.2 Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s. (Flutriafol)
<b>14.3 Hazard class</b>	9

**14.4 Packing Group** III  
**14.5 Environmental Hazard** Marine Pollutant  
**14.6 Special Provisions** Avoid any unnecessary contact with the product. Misuse can result in damage to health. Do not release to the environment

**ADR/RID**

**14.1 UN/ID no** UN3082  
**14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s. (Flutriafol)  
**14.3 Hazard class** 9  
**14.4 Packing Group** III  
**14.5 Environmental Hazard** Marine Pollutant  
**14.6 Special Provisions** Avoid any unnecessary contact with the product. Misuse can result in damage to health. Do not discharge to the environment. Do not release to the environment

**ICAO/IATA**

**14.1 UN/ID no** UN3082  
**14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s. (Flutriafol)  
**14.3 Hazard class** 9  
**14.4 Packing Group** III  
**14.5 Environmental Hazard** Marine Pollutant  
**14.6 Special Provisions** Avoid any unnecessary contact with the product. Misuse can result in damage to health. Do not release to the environment

## Section 15: REGULATORY INFORMATION

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

**National regulations** Seveso category in Annex I to Dir. 2012/18/EU: dangerous for the environment.  
The substance is covered by EU chemical legislation.  
Young people under the age of 18 are not allowed to work with the substance.

**European Union****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

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not Applicable

**International Inventories**

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Alcohols, C13-15 Branched and Linear, Ethoxylated 157627-86-6	X	X	X		X			
Propylene glycol 57-55-6	X	X	X	X	X	X	X	X

## 15.2. Chemical safety assessment

A chemical safety assessment is not required to be included for this product.

## 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 sections 2 and 3

H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H400 - Very toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects  
EUH208: Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.  
EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

#### Legend

<b>ADR:</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>CAS:</b>	CAS (Chemical Abstracts Service)
<b>Ceiling:</b>	Maximum limit value:
<b>DNEL:</b>	Derived No Effect Level (DNEL)
<b>EINECS:</b>	EINECS (European Inventory of Existing Chemical Substances)
<b>GHS:</b>	Globally Harmonized System (GHS)
<b>IATA:</b>	International Air Transport Association (IATA)
<b>ICAO:</b>	International Civil Aviation Organization
<b>IMDG:</b>	International Maritime Dangerous Goods (IMDG)
<b>LC50:</b>	LC50 (lethal concentration)
<b>LD50:</b>	LD50 (lethal dose)
<b>PBT:</b>	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
<b>RID:</b>	Regulations Concerning the International Transport of Dangerous Goods by Rail
<b>STEL:</b>	Short term exposure limit
<b>SVHC</b>	SVHC: Substances of Very High Concern for Authorization:
<b>TWA:</b>	time weighted average
<b>vPvB:</b>	very Persistent and very Bioaccumulative

#### Classification procedure

Sensitisation – skin: test data  
Hazards to the aquatic environment: test data

#### Key literature references and sources for data

Data measured on the product are unpublished company data. Data on ingredients are available from published literature and can be found several places.

**Revision date:** 2019-05-22

**Reason for revision:** Format Change.

**Training Advice** This material should only be used by persons who are made aware of its hazardous properties and have been instructed in the required safety precautions.

#### Disclaimer

The information provided in this safety data sheet is believed to be accurate and reliable, but uses of the product vary and situations unforeseen by FMC Corporation may exist. The user has to check the validity of the information under local circumstances.

#### Prepared By:

FMC Corporation

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**End of Safety Data Sheet**