

# Safety Data Sheet

*Release* 1.0  
*Revision* 10/17/2019  
*Date of issue* 01/13/2021



page 1 of 5

## 1 Identification of the substance

### Identification of the substance

*Identification of the substance* Flumethrin

### Additional identification

*Biosynth catalog no.* FF103886

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

### Use of the substance/preparation

*Identified uses* basic Intermediates

*Restriction on use* not for food or drug use, for laboratory use only

*Company* Carbosynth Ltd  
8&9 Old Station Business Park  
GB-COMPTON RG20 6NE

*Phone* +44 1635 578444

*Mail* customerservice@biosynth-carbosynth.com

### Emergency Number

*Phone* +44 1635 578444 office hours

## 2 Hazards identification

### Health Hazards

acute toxicity (Category 3)

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Skin corrosion/irritation (Category 2)

sensitisation (Category 1B)

Serious eye damage/eye irritation (Category 2)

acute toxicity (Category 3)

### Environmental Hazards

not classified

### Physical Hazards

not classified

### Possible Hazards (Summary)

### GHS Labeling

*Symbol*  
GHS06 skull and crossbones

*Pictogram*

*Signal Word*

Danger                      Danger

*Hazard Statement*

H301                      Toxic if swallowed.  
H311                      Toxic in contact with skin.  
H331                      Toxic if inhaled.  
H315                      Causes skin irritation.  
H317                      May cause an allergic skin reaction.  
H319                      Causes serious eye irritation.

*Precautionary Statement*

P264                      Wash thoroughly after handling.  
P280                      Wear protective gloves/protective clothing/eye protection/face protection.  
P302                      IF ON SKIN:  
P352                      Wash with plenty of soap and water.  
P304                      IF INHALED:  
P340                      Remove casualty to fresh air and keep at rest in a position comfortable for breathing.  
P305                      IF IN EYES:  
P351                      Rinse cautiously with water for several minutes.  
P338                      Remove contact lenses, if present and easy to do. Continue rinsing.

**3 Composition/information on ingredients****Substance related information**

*Substance name*                      Flumethrin  
*Synonymes*  
*Cas No.*                                      [69770-45-2]  
*Formula*                                      C<sub>28</sub>H<sub>22</sub>Cl<sub>2</sub>FNO<sub>3</sub>

**4 First aid measures****First Aid: Eye**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**First Aid: Skin**

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

**First Aid: Ingestion**

Wash out mouth with water provided person is conscious. Call a physician.

**First Aid: Inhalation**

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

**Hints for Physician: Treatment**

Treat symptomatically.

**5 Firefighting measures**

**Extinguishing Media****Suitable**

foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet

**Hazards During Fire-Fighting**

toxic fumes

**Protective Equipment for Fire-Fighting**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Fire-Fighting/Further Advice**

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

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**6 Accidental release measures****Personal Precautions**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

**Environmental Precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

**Methods for Cleaning or Taking Up**

not available

**Further Accidental Release Measures**

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

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**7 Handling and storage****Handling****Handling advice**

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

**Storage****Storage temperature**

store at room temperature

**Storage Requirements**

Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

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**8 Exposure controls/personal protection****Exposure controls****Industrial Hygiene**

Mechanical exhaust required. Safety shower and eye shower.

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**Personal Protective Equipment****Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

**Hand Protection**

Wear compatible chemical-resistant gloves to prevent skin exposure.

**Eye Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

**Body Protection**

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

**Advice on Safe Handling**

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

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**9 Physical and chemical properties****Form**

clear liquid

**Molar Mass**

510.38 g/mol

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**10 Stability and reactivity****Conditions to Avoid**

incompatible materials

**Substances to Avoid**

strong oxidizers

**Decomposition Products**

nitrogen oxides (NO<sub>x</sub>), carbon dioxide (CO<sub>2</sub>), hydrogen chloride (HCl), hydrogen fluoride, carbon monoxide

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**11 Toxicological information****Other Relevant Toxicity Information**

We are not aware of any toxicology data.

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**12 Ecological Information****Biodegradation**

no data available

**Bioaccumulation**

no data available

**Distribution in Environment**

no data available

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**13 Disposal considerations****Advice on Disposal and Packaging***Advice on Disposal*

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

*Advice on Packaging*

not available

## 14 Transport information

### Road Transport (ADR/GGVs)

<i>UN No.</i>	2810
<i>Class(es)</i>	6.1
<i>Packaging group</i>	III
<i>Proper Shipping Name</i>	TOXIC LIQUID, ORGANIC, N.O.S.

### Air Transport (IATA)

<i>UN No.</i>	2810
<i>Class(es)</i>	6.1
<i>Packaging group</i>	III
<i>Proper Shipping Name</i>	TOXIC LIQUID, ORGANIC, N.O.S.

## 15 Other regulations

### Other Regulations

not available

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Flumethrin	-----	-----	-----

## 16 Additional information

### GHS Labeling

#### Symbol

GHS06 skull and crossbones

#### Signal Word

Danger Danger

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