



# SUMITOMO CHEMICAL (U.K.) PLC

## SAFETY DATA SHEET Sumilarv 0.5G

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

#### 1.1. Product identifier

Product name	Sumilarv 0.5G
Product number	LHTJ43100
UFI	UFI: SX80-H0F5-M009-63KX

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

Identified uses	Biocide. Insecticide.
Uses advised against	Use only for intended applications.

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

Supplier	Sumitomo Chemical (UK) Plc Hythe House 200 Shepherds Bush Road Hammersmith London W6 7NL +44 (0) 203 538 3099 regulatory@scuk.sumitomo-chem.co.uk
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#### 1.4. Emergency telephone number

Emergency telephone	+44 1235 239670 (EU) 24 hours
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### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Aquatic Chronic 1 - H410

#### 2.2. Label elements

##### Hazard pictograms



Signal word	Warning
Hazard statements	H410 Very toxic to aquatic life with long lasting effects.

## Summary 0.5G

<b>Precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P260 Do not breathe dust.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Supplementary precautionary statements</b>	<p>P103 Read label before use.</p> <p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.</p> <p>P314 Get medical advice/ attention if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P391 Collect spillage.</p> <p>P405 Store locked up.</p>

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Aluminium oxide</b>	<b>10-30%</b>
CAS number: 1344-28-1	
<b>Classification</b> Not Classified	
<b>Quartz</b>	<b>1-5%</b>
CAS number: 14808-60-7	
<b>Classification</b> Carc. 1A - H350	
<b>BENZENE, C10-13-ALKYL DERIVATIVES</b>	<b>1-5%</b>
CAS number: 67774-74-7                      EC number: 267-051-0	
<b>Classification</b> Asp. Tox. 1 - H304	

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<b>Sorpol 3006DB</b>	<b>1-5%</b>
CAS number: —	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Chronic 2 - H411	
<b>Iron (III) oxide</b>	<b>&lt;1%</b>
CAS number: 1309-37-1	
<b>Classification</b>	
Not Classified	
<b>Calcium oxide</b>	<b>&lt;1%</b>
CAS number: 1305-78-8	
<b>Classification</b>	
Not Classified	
<b>Sumilarv® TG (Pyriproxyfen)</b>	<b>&lt;1%</b>
CAS number: 95737-68-1	EC number: 429-800-1
M factor (Acute) = 1	M factor (Chronic) = 1000
<b>Classification</b>	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

The full text for all hazard statements is displayed in Section 16.

**Composition comments**      Respirable fraction < 0.1%

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove affected person from source of contamination.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.

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

<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	May cause skin irritation/eczema.
<b>Eye contact</b>	May cause temporary eye irritation.

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### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with carbon dioxide or dry powder. Larger fires: Water.

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

**Specific hazards** No unusual fire or explosion hazards noted.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. Toxic gases or vapours.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid the spillage or runoff entering drains, sewers or watercourses.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Avoid the spillage or runoff entering drains, sewers or watercourses.

#### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using the product. Provide adequate ventilation. Protect against direct sunlight.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Do not store near heat sources or expose to high temperatures.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

Aluminium oxide

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Long-term exposure limit (8-hour TWA): 10 mg/m<sup>3</sup> inhalable fraction

Long-term exposure limit (8-hour TWA): 4 mg/m<sup>3</sup> respirable fraction

### Iron (III) oxide

Long-term exposure limit (8-hour TWA): 5 mg/m<sup>3</sup>

Short-term exposure limit: 10 mg/m<sup>3</sup>

### Calcium oxide

Long-term exposure limit (8-hour TWA): 2 mg/m<sup>3</sup> inhalable fraction

Long-term exposure limit (8-hour TWA): 1 mg/m<sup>3</sup> respirable fraction

**Ingredient comments** No exposure limits known for ingredient(s).

## 8.2. Exposure controls

### Protective equipment



**Appropriate engineering controls** Provide adequate ventilation.

**Eye/face protection** The following protection should be worn: Chemical splash goggles.

**Hand protection** Impermeable material.

**Hygiene measures** Wash promptly with soap and water if skin becomes contaminated. Wash hands after handling. When using do not eat, drink or smoke.

**Respiratory protection** Respiratory protection not required.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Granules.
<b>Colour</b>	Yellowish.
<b>Odour</b>	No characteristic odour.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not determined.
<b>Flash point</b>	Scientifically unjustified.
<b>Evaporation rate</b>	Scientifically unjustified.
<b>Flammability (solid, gas)</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Scientifically unjustified.
<b>Vapour pressure</b>	Scientifically unjustified.
<b>Relative density</b>	Not determined.
<b>Solubility(ies)</b>	Not determined.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.

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<b>Viscosity</b>	Scientifically unjustified.
<b>Explosive properties</b>	There are no chemical groups present in the product that are associated with explosive properties.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.
<b>9.2. Other information</b>	
<b>Other information</b>	No information required.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not applicable.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight.

#### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. Toxic gases or vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met. LD<sub>50</sub> >2000 mg/kg, Oral, Rat

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met. LD<sub>50</sub> >2000 mg/kg, Dermal, Rat

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No information required.

##### Skin corrosion/irritation

**Animal data** Slightly irritating.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Slightly irritating.

##### Skin sensitisation

**Skin sensitisation** Buehler test: - Guinea pig: Not sensitising.

#### Toxicological information on ingredients.

#### Sumilarv® TG (Pyriproxyfen)

##### Acute toxicity - oral

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<b>Notes (oral LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met. LD <sub>50</sub> >5000 mg/kg, Oral, Rat
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met. LD <sub>50</sub> >2000 mg/kg, Dermal, Rat
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	Based on available data the classification criteria are not met. > 1.3 mg/l, Inhalation, Rat
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Not irritating. Based on available data the classification criteria are not met.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Not irritating. Based on available data the classification criteria are not met.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	There is no evidence that the product can cause respiratory hypersensitivity.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Not sensitising. Based on available data the classification criteria are not met.
<b><u>Germ cell mutagenicity</u></b>	
<b>Summary</b>	This substance has no evidence of mutagenic properties.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	There is no evidence that the product can cause cancer.
<b><u>Reproductive toxicity</u></b>	
<b>Summary</b>	This substance has no evidence of toxicity to reproduction.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.
<b><u>Ingestion</u></b>	
<b>Ingestion</b>	May cause discomfort if swallowed.
<b><u>Skin contact</u></b>	
<b>Skin contact</b>	No specific health hazards known.
<b><u>Eye contact</u></b>	
<b>Eye contact</b>	May cause temporary eye irritation.

### SECTION 12: Ecological information

**Ecotoxicity** The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### Ecological information on ingredients.

**Sumilarv® TG (Pyriproxyfen)**

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**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

### 12.1. Toxicity

#### Acute aquatic toxicity

##### **Acute toxicity - fish**

LC<sub>50</sub>, 96 hours: 832 mg/l, Cyprinus carpio (Common carp)

##### **Acute toxicity - aquatic invertebrates**

EC<sub>50</sub>, 3 hours: > 2000 mg/l, Freshwater invertebrates  
Information on the active substance is applicable to the product.

##### **Acute toxicity - aquatic plants**

Scientifically unjustified.  
Information on the active substance is applicable to the product.

#### Ecological information on ingredients.

#### Sumilarv® TG (Pyriproxyfen)

##### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C<sub>50</sub> ≤ 1

M factor (Acute) 1

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: > 0.27 mg/l, Fish, Lepomis macrochirus (Bluegill)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 0.4 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 0.15 mg/l, Algae, Selenastrum capricornutum

##### Chronic aquatic toxicity

NOEC 0.00001 < NOEC ≤ 0.0001

Degradability Non-rapidly degradable

M factor (Chronic) 1000

### 12.2. Persistence and degradability

**Persistence and degradability** The product is not readily biodegradable.

#### Ecological information on ingredients.

#### Sumilarv® TG (Pyriproxyfen)

**Persistence and degradability** The product is not biodegradable.

### 12.3. Bioaccumulative potential

**Partition coefficient** Not determined.

#### Ecological information on ingredients.

#### Sumilarv® TG (Pyriproxyfen)

**Bioaccumulative potential** The product is not bioaccumulating.

**Partition coefficient** log Pow: 4.86 @ pH7

### 12.4. Mobility in soil

**Mobility** Readily absorbed into the soil.



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### Ecological information on ingredients.

#### Sumilarv® TG (Pyriproxyfen)

**Mobility** Not known.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### Ecological information on ingredients.

#### Sumilarv® TG (Pyriproxyfen)

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** None known.

### Ecological information on ingredients.

#### Sumilarv® TG (Pyriproxyfen)

**Other adverse effects** Not applicable.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID)	3077
UN No. (IMDG)	3077
UN No. (ICAO)	3077

### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Pyriproxyfen)
<b>Proper shipping name (IMDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Pyriproxyfen)
<b>Proper shipping name (ICAO)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Pyriproxyfen)
<b>Proper shipping name (ADN)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Pyriproxyfen)

### 14.3. Transport hazard class(es)

ADR/RID class	9
IMDG class	9
ICAO class/division	9

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### Transport labels



#### 14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



#### 14.6. Special precautions for user

EmS F-A, S-F

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not relevant.

Annex II of MARPOL 73/78  
and the IBC Code

### SECTION 15: Regulatory information

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

<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
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#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

## Summary 0.5G

### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 GHS: Globally Harmonized System.  
 IATA: International Air Transport Association.  
 ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 SVHC: Substances of Very High Concern.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 UN: United Nations.

### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity  
 Aquatic Acute = Hazardous to the aquatic environment (acute)  
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)  
 Asp. Tox. = Aspiration hazard  
 Carc. = Carcinogenicity  
 Eye Dam. = Serious eye damage  
 Eye Irrit. = Eye irritation  
 Flam. Liq. = Flammable liquid  
 Press. Gas (Comp.) = Gas under pressure: Compressed gas  
 Repr. = Reproductive toxicity  
 Resp. Sens. = Respiratory sensitisation  
 Skin Corr. = Skin corrosion  
 Skin Irrit. = Skin irritation  
 Skin Sens. = Skin sensitisation  
 STOT RE = Specific target organ toxicity-repeated exposure  
 STOT SE = Specific target organ toxicity-single exposure  
 Flam. Gas = Flammable gas

### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

### Revision date

19/01/2021

### Revision

11

## Summary 0.5G

<b>Supersedes date</b>	24/07/2017
<b>SDS number</b>	10085
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H350 May cause 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.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.