



SAFETY DATA SHEET

SCORPION ULTRA

SDS Ver 2.1/HLM/GHS/Rus

Revision date: 13.03.2019

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Product name: SCORPION ULTRA
Chemical name: Cyphenothrin
CAS No.: 39515-40-7

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: biocidal product

Details of the supplier of the safety data sheet

Supplier: Hallmark Chemicals B.V.
Wilhelminakade 91
3072 AP Rotterdam
The Netherlands
Tel: +31 10 414 4277
Fax: +31 10 414 3023
info@hallmarkchem.com

Emergency telephone number

Tel: +44 20 8995 8391 (SDS support, 9.00-5.00 pm; Mon-Fri, UK only)

SECTION 2: HAZARDS IDENTIFICATION

Skin sens.1 - H317
Resp sens.1 – H334
Aq Acute 1 - H400
Aq Chronic 1 - H410



Pictogram(s):

Signal word:

Warning

Hazard statement(s):

H317: May cause an allergic skin reaction
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects

Precautionary statement(s):

P264: Wash hands thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P273: Avoid release to the environment
P301/312: IF SWALLOWED: call a POISON CENTER or doctor if you feel unwell
P330: Rinse mouth
P391: Collect spillage



P501: Dispose of contents according to local and national regulations

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS No	Conc (%)	H Statement(s)
Cyphenothrin	39515-40-7	10	H302, H400, H410
Phenylxylylethane	40766-31-2	<10	H302, H312, H332, H315, H317, H373, H400, H410
Gum arabic	9000-01-5	<10	H315, H319, H334, H317, H335

SECTION 4: FIRST AID MEASURES

- Skin contact:** Remove all contaminated clothes and footwear immediately. Wash immediately with plenty of soap and water.
- Eye contact:** Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If symptoms persist, seek medical advice.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. Consult a doctor
- Inhalation:** Move to fresh air and keep person comfortable for breathing. If concerned seek medical attention.
- Most important symptoms:** May cause skin irritation/eczema. May cause temporary eye irritation.

Indication of any immediate medical attention and special treatment needed

First aid may be required in case of accidental exposure, inhalation or ingestion. If in doubt, SEEK MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIRE FIGHTING MEASURES

- Extinguishing media:** Extinguish a small fire with powder or carbon dioxide.
- Exposure hazards:** On combustion emits toxic fumes. NO_x, CO and CO_x may be formed.
- Advise for fire-fighters:** Wear self-contained breathing apparatus and full protective clothing must be worn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Wear PPE as recommended in section 8. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away.
- Environmental precautions:** Prevent product from entering drains or water courses. Warn the local water authority if water-courses become contaminated.



Clean-up methods: Pick up and arrange disposal without creating aerosol. Contain spill and absorb with earth, sand, clay, or other absorbent material, collect and store in sealed drums for safe disposal. Decontaminate the area and equipment by washing areas with water. Keep in suitable, closed containers for disposal. Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 7: HANDLING AND STORAGE

Handling: Keep out of reach of children. May irritate eyes and skin. Avoid breathing vapour or spray. For product in eyes, wash immediately with water. For product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Storage: Store in the closed original container, in a cool, dry, well-ventilated area, away from direct sunlight and sources of ignition.

Incompatibility: Incompatible with acids.

Flammability: Not flammable under normal conditions of use. The product does not sustain combustion.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure limits: None set for the ingredients.

Exposure controls: Use only in well-ventilated areas. If necessary, use local exhaust ventilation to keep airborne concentration below exposure limits.

Personal protective equipment: Wear face shield or goggles.
Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, heavy-duty shoes or boots.
Wear elbow length nitrile or neoprene rubber gloves.
If working in a poorly ventilated area or if occupational exposure levels are likely to be exceeded, wear a respirator with filter for vapours.
After each day's use, wash gloves, goggles or face shield, respirator if worn, and contaminated clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance:	Off-white liquid
b) Odour:	Characteristic
c) Odour threshold:	none set
d) pH:	5 - 8
e) Melting point/freezing point:	not applicable
f) Boiling point/boiling range:	154°C (tech.)
g) Flash-point:	Does not flash
h) Evaporation rate:	not determined



i) Flammability (solid/gas):	Not flammable
j) Upper/lower flammability or explosive limits:	n/a
k) Vapour pressure:	0.12 mPa (tech.)
l) Vapour density:	$1.83 \times 10^{-3} \text{ Pa m}^3 \text{ mol}^{-1}$ (tech. calc.)
m) Relative density:	1.05 g/L (20°C)
n) Solubility:	0.01 mg/L (water, 20°C, tech)
o) Partition coefficient:	Log P _{ow} 6.29
p) Auto-ignition temperature:	not determined
q) Decomposition temperature:	not determined
r) Viscosity:	2000 ±1000 cps
s) Explosive properties:	Not explosive
t) Oxidising properties:	Not an oxidiser

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions of use. Will not polymerise.
Chemical stability	The product is stable if stored and handled as prescribed /indicated.
Possibility of hazardous reactions	No hazardous reactions when stored and handled according to instructions.
Conditions to avoid	Sources of ignition, heat and flames.
Incompatible materials	Strong oxidisers, alkalis.
Hazardous decomposition Products:	Does not decompose at ambient temperature. Combustion or thermal decomposition will evolve toxic and irritant vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

(based on comparable formulation)

Oral toxicity:	LD ₅₀ rat: >2000 - 5000 mg/kg (GHS Cat 5)
Dermal toxicity:	LD ₅₀ rat: >2000 - 5000 mg/kg (GHS Cat 5)
Inhalation toxicity:	LC ₅₀ rat 4 h >1.85 mg/L
Skin irritation:	Not an irritant
Eye irritation:	Not an irritant
Skin sensitisation:	May cause skin sensitisation

No evidence of carcinogenicity, mutagenicity or toxicity to reproduction.

At high concentrations vapours may irritate eyes, throat and respiratory system. Liquid may irritate skin.

Synthetic pyrethroids can produce paraesthesia. Symptoms being several hours after exposure and resolves within 24 hours.

Prolonged or repeated exposure may cause nausea, vomiting, diarrhoea, headache, tremors, uncoordinated movements and convulsions.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity (technical material)

Fish toxicity:	LC ₅₀ Rainbow trout 96h	0.34 µg/L
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Daphnia toxicity: LC₅₀ *Daphnia magna* 48h 0.43 µg/L
Algal toxicity: LC₅₀ Algae 72 h > 0.014 mg/L

The product is not readily biodegradable
Does not bio-accumulate
Not classified as PBT/vPVP

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product: Dispose of waste product through an official waste contractor.
Obtain advice from local waste regulation authority.

Contaminated packaging: Triple- or pressure-rinse containers before disposal. Add rinsings to spray tank.
Do not dispose of undiluted chemicals on-site.
Do not burn empty containers. Recycle, or return to supplier through local schemes if applicable. Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORTATION INFORMATION

UN number: 3082

UN Proper Shipping Name: Environmentally hazardous substance, liquid, N.O.S.
(contains cyphenothrin)

Transport hazard class: IATA: 9
ADR/RID: 9
IMDG: 9

Packaging group: IATA: III
ADR/RID: III
IMDG: III

Environmental hazard: IATA: Yes
ADR/RID: Yes
IMDG: Marine pollutant: Yes

SECTION 15: REGULATORY INFORMATION

No additional regulatory information required for this product

SECTION 16: OTHER INFORMATION

H statements in full:

H302 Harmful if swallowed
H312 Harmful in contact with skin
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H332 Harmful if inhaled
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 May cause respiratory irritation
H373 May cause damage to organs through prolonged or repeated exposure
H400 Very toxic to aquatic life



H410 Very toxic to aquatic life with long lasting effects

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of the product or from the use of information contained within the safety data sheet since the customer's handling of the product is necessarily beyond our control. The supplied data are based on current knowledge and experience. This safety data sheet is intended to describe our product in terms of safety requirements. The customer should determine by appropriate trials that the product is suitable for his intended use.

Sections 9, 11 and 12 based on available EU and own data

Self-classification of mixture

Supersedes V1.0 issued 10.03.17

Reason for revision: update to Section 3,4