



MATERIAL SAFETY DATA SHEET

Loop 30% SC

IDENTIFICATION OF THE SUPPLIER:

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PRODUCT IDENTIFICATION:

Common Name: Boscalid + Kresoxim-methyl
Trade Name: Loop 30% SC
Uses category: fungicide
Type of formulation: Suspension Concentrate (SC)

	Boscalid	Kresoxim-methyl
Chemical Name:	2-chloro-N-(4-chloro[1,1-biphenyl]-2-yl)-3-pyridinecarboxamide	<i>Methyl(αE)-α-(methoxyimino)-2-[(2-methylphenoxy)methyl]benzeneacetate</i>
Chemical Formula:	<u>C₁₈H₁₂Cl₂N₂O</u>	<u>C₁₈H₁₉NO₄</u>
Molecular Weight:	343.2	313.4





PRODUCT COMPOSITION:

Active ingredient:	% w/v	CAS #
Boscalid	20%	[188425-85-6]
Kresoxim-methyl	10%	[143390-89-0]

Inert ingredient: Up to 1 liter

HAZARDS IDENTIFICATION:

Label elements and precautionary statement:

Pictogram:



Signal Word:
Warning

Hazard Statement:

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Suspected of causing cancer.

Precautionary Statements (Prevention):

Use personal protective equipment as required. Obtain special instructions before use.

Precautionary Statements (Response):



IF exposed or concerned: Get medical advice/attention. Collect spillage.

Precautionary Statements (Storage):

Store locked up.

Precautionary Statements (Disposal):

Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Composition/information on ingredients

Chemical nature

Crop protection product, fungicide, suspension concentrate (SC)

Hazardous ingredients

boscalid (ISO); 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-

nicotinamide

Content (W/W): 18.2 %

CAS Number: 188425-85-6

Kresoxim-methyl

Content (W/W): 9.1 %

CAS Number: 143390-89-0





FIRE-FIGHTING MEASURES: -

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, and seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling. Further important symptoms and effects are so far not known.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

ACCIDENTAL RELEASE:

Personal precautions:

Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions:





Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

PERSONAL PROTECTION/SAFETY:

Components with occupational exposure limits

No occupational exposure limits known.

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Eye protection:





Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

HANDLING AND STORAGE:

Handling

Ensure thorough ventilation of stores and work areas. No special measures necessary if stored and handled correctly. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

STABILITY AND REACTIVITY:

Conditions to avoid:

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.



Substances to avoid: strong bases, strong acids, strong oxidizing agents

Hazardous reactions: No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

PHYSICAL AND CHEMICAL PROPERTIES:

1 Information on basic physical and chemical properties

Form Suspension

Colour white

Odour aromatic, faint odour

Flash point No flash point - Measurement made up to the boiling point.

Ignition temperature > 600 °C

Density approx. 1.10 g/cm³ (20 °C)

Partition coefficient: noctanol/ water

Not applicable

Viscosity, dynamic approx. 19.6 mPa.s (20 °C, 100 1/s)

Explosivity not explosive

TOXICOLOGICAL INFORMATION:

Acute toxicity

Assessment of acute toxicity:



The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Virtually nontoxic after a single skin contact. Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation.

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg

LC50 rat (by inhalation): > 5.6 mg/l 4 h

LD50 rat (dermal): > 4,000 mg/kg

No mortality was observed.

Irritation

Assessment of irritating effects:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Not irritating to the skin. Not irritating to the eyes.

Experimental/calculated data:

Skin corrosion/irritation rabbit:

Serious eye damage/irritation rabbit:

Respiratory/Skin sensitization

Assessment of sensitization:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:

Modified Buehler test guinea pig: Non-sensitizing.

Germ cell mutagenicity

Assessment of mutagenicity:



The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Kresoxim-methyl

Assessment of carcinogenicity:

Limited evidence of a carcinogenic effect.

Information on: 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-

Assessment of carcinogenicity:

In long-term studies in rats the substance induced thyroid tumors. The effect is caused by an animal specific mechanism that has no human counter part. In long-term studies in mice in which the substance was given by feed, a carcinogenic effect was not observed.

Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.



ECOLOGICAL INFORMATION: -

Ecotoxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Toxicity to fish: LC50 (96 h) 2.00 mg/l, *Oncorhynchus mykiss*

Aquatic invertebrates: EC50 (48 h) 0.52 mg/l, *Daphnia magna*

Aquatic plants: EC50 (72 h) 4.49 mg/l (growth rate), *Pseudokirchneriella subcapitata*

Information on: Kresoxim-methyl

Aquatic plants: EC50 (72 h) 0.250 mg/l (growth rate), *Ankistrodesmus bibraianus*

DISPOSAL CONSIDERATIONS:

Must be sent to a suitable incineration plant, observing local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.





Transport Information

Air transport

IATA/ICAO

Hazard class:

9

Packing group:

III

ID number:

UN 3082

Hazard label:

9, EHSM

Proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains KRESOXIM-METHYL, BOSCALID)

Sea transport

IMDG

Hazard class:

9

Packing group:

III

ID number:





مؤسسة صناعات الكيماويات الزراعية
AGRO CHEMICALS INDUSTRIES LTD.



UN 3082

Hazard label:

9, EHS

Marine pollutant:

YES

Proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains
KRESOXIM-METHYL, BOSCALID)



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