

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name RAIKIRI
Use Herbicide.
Formulation Suspension Concentrate
Supplier: Sipcarn UK Limited, 4c Archway House, The Lanterns, Melbourn Street, Royston SG7 8BX.
Emergency No 01763 212100.

2. HAZARDS IDENTIFICATION

Classification of substance and mixture according to Regulation (EC) Number 1272/2008

DANGER



H318	CAUSES SERIOUS EYE DAMAGE
H317	MAY CAUSE AN ALLERGIC SKIN REACTION
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Additional information For the wording of safety phrases refer to section 15.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients (according to Regulation EC 1272/2008)

	CAS/EINECS	Hazard Statements	%
Mesotrione	104206-82-8	H400, H410	10%
Octanol-1-ol	111-87-5/203-917-6	H315, H319	5-10%
Phosphoric acid 85%	7664-38-2/231-633-2	H314	0-5%
Ethoxylated polyarylphenol acid phosphate	90093-37-1	H315, H319	0-5%
Ethoxylated fatty alcohol	68526-85-2	H314	20-30%

Additional information For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

General information:

Show this safety data sheet to the doctor.

After inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

After skin contact:

Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Call a physician if irritation develops or persists. Wash contaminated clothing before reuse..

After eye contact:

Immediately flush with water holding eyelid open. Continue for 15 minutes or longer until clean. Remove contact lenses, if present, after the first 5 minutes, then continue to rinsing eyes. Keep eye wide open while rinsing

After swallowing:

Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Never give anything by mouth to an unconscious person.

Information for doctor:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5. FIRE FIGHTING MEASURES		
<p>Suitable extinguishing agents Suitable extinguishing media: Carbon dioxide, water spray, alcoholresistant foam, dry chemical or small fires, alcohol-resistant foam or water spray for large fires. Unsuitable extinguishing media: solid water jet</p> <p>Special hazards arising from the substance or mixture Evolves toxic and corrosive fumes in fire including carbon oxides, nitrogen and sulphur oxides, hydrogen cyanide.</p> <p>Protective equipment: Put on breathing apparatus if there is a potential for exposure to combustion fumes.</p>		
6. ACCIDENTAL RELEASE MEASURES		
<p>Personal precautions, protective equipment and emergency procedures: Not required. Immediately remove any contaminated clothing.</p> <p>Environmental precautions: Inform respective authorities in case product reaches water or sewage system. Do not allow to enter drainage system, surface or ground water.</p> <p>Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.</p> <p>Reference to other sections: See Section 7 for safe handling, 8 for personal protection equipment, 13 for disposal information</p>		
7. HANDLING AND STORAGE		
<p>Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Open and handle container with care.</p> <p>Information about protection against explosions and fires: No special measures required.</p> <p>Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and containers: Store in a cool, dry, well ventilated area. Store only in the original receptacles. Stable under normal conditions. Do not store together with foodstuffs, beverages and feed. Observe regulations for storage of flammable liquids.</p> <p>Information about storage in one common storage facility: Not required.</p> <p>Further information about storage conditions: Keep container tightly sealed.</p>		
8. EXPOSURE CONTROL / PERSONAL PROTECTION		
Components with limit values that require monitoring at the workplace:		
7664-38-2 Phosphoric acid	TWA	1 mg/m ³
57-55-6 Propylene glycol	TWA	150ppm 474 mg/m ³ total vapour and particulates
<p>Personal protective equipment The usual precautionary measures should be adhered for handling chemicals. Avoid breathing spray Do not get in eyes, on skin or on clothing Wash hands and face thoroughly after handling Wash all protective clothing thoroughly after use, especially the insides of gloves. Wash splashes from skin or eyes immediately.</p> <p>Breathing equipment: In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.</p>		
Protection of hands: Protective gloves.	Eye protection: Tightly sealed safety glasses	Body protection: Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES		
Appearance:	Boiling point or range: 100°C approx	Segregation coefficient: Not available
Form: Liquid	Flash point: Not applicable	Solubility / Miscibility (water): Completely miscible in water
Colour: Dark cream	Self-Inflammability: Auto ignition at >400°	Density: 1.07 g/cm ³
Odour: similar to octanol	Danger of explosion: Product is not explosive.	pH-value at 20°C: 2.45
10. REACTIVITY AND STABILITY		
Thermal decomposition / conditions to be avoided: Stable under normal conditions Possibility of hazardous reactions: No dangerous reactions known. Conditions to avoid: Sources of ignition, Direct sunlight. Incompatible materials: Oxidising agents. Strong bases. Hazardous decomposition products: During decomposition evolves toxic fumes including hydrogen fluoride, nitrogen and sulphur oxides, hydrogen cyanide		
11. TOXICOLOGICAL INFORMATION		
LD/LC50 values that are relevant for classification:		
Oral LD50 >2000 mg/kg (rat)	Dermal LD50 >2000 mg/kg (rat)	Inhalation LC50/4 h >5 mg/l (rat)
Skin Irritation: Not irritating Eye Irritation : Risk of serious damage to eyes. Sensitisation: Sensitization possible by skin contact.		
12.ECOLOGICAL INFORMATION		
Aquatic toxicity (active ingredient): EC 50: 29.5 mg/l (algae) LC 50: 57.9 mg/l (<i>daphnia magna</i>) LC 50: 92.9 (96h) mg/l (rainbow trout) LD50: >2000mg/kg (birds) Honey bees: oral: >163.3µg/bee contact: >72.7µg/bee Persistence and degradability: Moderately to non-persistent, not readily biodegradable (based on data on the active substance). Bioaccumulative potential : Low based on data of active substance Mobility in soil: Moderately mobile to mobile (based on data on the active substance). Notes: Do not allow product to reach groundwater, water bodies or sewage system.		
This product is not identified as PBT/vPvB substance		
13. DISPOSAL		
Waste or used preparation: This material and its container must be disposed of in a safe way. Collect spillage Disposal of packaging: Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste		
14. TRANSPORT		
UN-Number (ADR, IMDG, IATA) 3082 Proper shipping name(ADR, IMDG, IATA) 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (mesotrione (ISO)) Hazard class (ADR,IMDG, IATA): Class 9 Miscellaneous Dangerous Goods Packing group (ADR, IMDG, IATA): III Marine pollutant: Yes Special marking (ADR): Symbol (fish and tree)		
15. REGULATORY INFORMATION		
Labelling is in accordance with Regulation (EC) No 1272/2008 (CLP) in the current version. The safety data sheet is prepared in accordance with EC Directive 2015/830.		
Hazard-determining components of labelling: Mesotrione		

Precautionary (P) statements:

P261	Avoid breathing spray
P280	Wear gloves, protective clothing and eye/face protection
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338	IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310	Immediately call a POISON CENTRE, doctor, physician
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage
P501	Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste
SP1	Do not contaminate water with the product or its container (Do not clean application equipment near surface water / Avoid contamination via drains from farmyards and roads)

PBT: This product is not identified as PBT/vPvB substance.

16. OTHER INFORMATION

R Phrases referenced in section 3:

H314 Skin corr 1B	Causes severe skin burns and eye damage
H315 Skin irrit 2	Causes skin irritation
H319 Eye irrit 2	Causes serious eye irritation
H400 Aquatic acute 1	Very toxic to aquatic life
H410 Aquatic chronic 1	Very toxic to aquatic life with long lasting effects

*Prepared by Sipcam UK Ltd to the best of our current knowledge and information:
No responsibility is accepted that the information will be sufficient or correct in all cases.*

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