

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name MOHAWK CS
Use Agricultural Herbicide
Formulation Microencapsulate (CS)
Supplier: Sipcam UK Limited, 4C Archway House, Melbourn Street, Royston SG8 7BX.
Emergency No 01763 212100.

2. HAZARDS IDENTIFICATION

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

WARNING



H334 Respiratory sens, 1
H410 Aquatic chronic, 1

MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.
VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Additional information

Contains 1,2-benzisothiazolin-3-one and Isocyanuric acid polymethylene polyphenyl isocyanate.
May produce an allergic reaction.
For the wording of risk and safety phrases refer to section 15.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	CAS/EINECS	R Phrases	%
Clomazone	81777-89-1 /	Acute Tox. 3 H331, Acute Tox. 4 H302, Aquatic Chronic 3 H413	31.17%
Calcium ammonium nitrate	15245-12-2 / 239-289-5	Eye damage 1 H318, Acute tox 4 H302	10-15%
Lignosulphonic acid, sodium salt	68512-34-5 /	Eye Irrit. 2, H319	≥1.0%
1,2-benzisothiazol-3-one	2634-33-5 / 220-120-9	Met Corr. 1 H290, Skin Corr. 1b H314, Skin sens 1 H317, Aquatic acute 1 H400, Aquatic Chronic 1 H410	≥0.1%

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. Immediately remove soiled clothing

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact:

The product does not usually cause skin irritation, wash affected parts with water.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing:

Rinse out mouth without swallowing. Do not induce vomiting. Consult doctor.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically. No further relevant information available.		
5. FIRE FIGHTING MEASURES		
<p>Suitable extinguishing agents CO₂, extinguishing powder. Fight larger fires with water jet or alcohol-resistant foam.</p> <p>Special hazards arising from the substance or mixture Carbon monoxide, nitrogen oxides, can be released. Avoid breathing smoke & fumes.</p> <p>Protective equipment: Do not inhale explosion or combustion gases. Put on breathing apparatus & protective clothing. Cool endangered containers with water jet spray</p>		
6. ACCIDENTAL RELEASE MEASURES		
<p>Personal precautions, protective equipment and emergency procedures: Put on breathing apparatus. Bring people out of danger. Ensure adequate ventilation. Wear protective clothing.</p> <p>Environmental precautions: Avoid ignition sources. 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. Collect mechanically..</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: Keep away from heat and direct sunlight. Prevent formation of aerosols. Ensure good ventilation/exhaustion at the workplace. Open and handle container with care.</p> <p>Information about protection against explosions and fires: Keep ignition sources away. Do not smoke. The product is not flammable.</p> <p>Conditions for safe storage, including any incompatibilities: Storage requirements to be met by storerooms and containers: Store in a cool location. Store only in original container.</p> <p>Information about storage in one common storage facility: Store away from foodstuffs.</p> <p>Further information about storage conditions: Keep container tightly sealed. Protect from frost. Store in a well ventilated position.</p>		
8. EXPOSURE CONTROL / PERSONAL PROTECTION		
Components with limit values that require monitoring at the workplace:		
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.		
<p>Personal protective equipment The usual precautionary measures should be adhered to general rules for handling chemicals. Avoid contact with the eyes and skin. Do not eat or drink while working. Keep away from foodstuffs, beverages and food. Take off immediately all contaminated clothing</p> <p>Breathing equipment: Not necessary if room is well ventilated.</p>		
Protection of hands: Protective gloves.	Eye protection: Tightly sealed safety glasses	Body protection: Protective work clothing.
9. PHYSICAL AND CHEMICAL PROPERTIES		
Appearance:	Melting point or range: Not applicable	Partition coefficient: 2.54 log POW @23°C (clomazone)

Form: Liquid suspension	Boiling point or range: Not determined	Surface tension: 33.2mN/m @25°C
Colour: Beige	Flash point: No flash point up to 110°C	
Odour: Characteristic	Self-Inflammability: Not self igniting	Solubility / Miscibility (water): Dispersable
pH-value at 20°C: 8.1 @ 20°C	Danger of explosion: Product is not explosive.	Density: 1.165 g/cm ³ @ 20°C
10. REACTIVITY AND STABILITY		
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. Possibility of hazardous reactions: No dangerous reactions known. Conditions to avoid: No further relevant information available. Incompatible materials: No further relevant information available. Hazardous decomposition products: None in standard storage conditions		
11. TOXICOLOGICAL INFORMATION		
LD/LC50 values that are relevant for classification:		
Oral LD50 >2,000 mg/kg (rat)	Dermal LD50 >2,000 mg/kg (rat)	Inhalation >3.93 mg/l (rat)
Skin Irritation: No irritant effect Eye Irritation : No irritant effect. Sensitisation: No Sensitizing effect.		
12.ECOLOGICAL INFORMATION		
LD/LC50 values that are relevant for classification:		
Aquatic toxicity EC 50: 468 mg/l(0-72h) (algae) LC 50: >100 mg/l (48h) (<i>daphnia magna</i>) LC 50: >500 mg/l (96h) (rainbow trout)		
Persistence and degradability: No further relevant information available. Assessment biodegradation & elimination (H2O): Not readily biodegradable (by OECD criteria) PBT: Not applicable vPvB: Not applicable		
13. DISPOSAL		
Waste or used preparation: Use specialist waste contractor in accordance with local regulations. Disposal of packaging: Use specialist waste contractor in accordance with local regulations.		
14. TRANSPORT		
UN-Number (ADR, IMDG, IATA) 3082 Proper shipping name(ADR/RID, IMDG,ICAO/ IATA) 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clomazone (ISO)) Hazard class (ADR,IMDG, IATA): 9, Miscellaneous Packing group (ADR, IMDG, IATA): III Marine pollutant: Yes Hazard label: Symbol (fish and tree)		
15. REGULATORY INFORMATION		
Hazard-determining components of labelling: Clomazone Precautionary (P) statements: P102 Keep out of reach of children P261 Avoid breathing spray P270 Do not eat, drink or smoke when using this product P273 Avoid release to the environment P280 Wear gloves, protective clothing and eye/face protection P285 In case of inadequate ventilation wear respiratory protection.		

P302+P352	IF ON SKIN: Wash with plenty of soap and water
P304+P341	IF INHALED: If breathing is difficult remove victim to fresh air and keep at rest in a position comfortable for breathing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P342+P311	If experiencing respiratory symptoms: Get medical advice/attention
P363	Wash contaminated clothing before reuse
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
EU208	Contains 1,2-benzisothiazol-3-one and Isocyanuric acid polymethylene polyphenyl isocyanate. May produce an allergic reaction.
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)

16. OTHER INFORMATION

R Phrases referenced in section 3:

H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled
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

*Prepared by Sipcarn 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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