

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name VOLCAN COMBI FL
Use Herbicide.
Formulation Suspension Concentrate
Supplier: Sipcarn UK Limited, 4C Archway House, Melbourn Street, Royston SG8 7BX.
Emergency No 01763 212100.

2. HAZARDS IDENTIFICATION

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

WARNING



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	H Phrases	g/l
chloridazon	1698-60-8/216-920-2	H317, H410	300
metamitron	41394-05-2/255-349-3	H302, H400	280

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

4. FIRST AID MEASURES

General information:

Instantly remove any clothing soiled by the product.

Symptoms of poisoning may occur even after several hours, therefore medical observation for at least 48 hours after the incident.

After inhalation:

Supply fresh air or oxygen; call for doctor.

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

After skin contact:

Instantly wash with water and soap and rinse thoroughly.

Instantly rinse with water.

After eye contact:

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

After swallowing:

Induce vomiting, call for medical help

Information for doctor:

Treat symptomatically and supportively.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire. Can be released in case of fire: Nitrogen oxides (NO_x) / Carbon monoxide (CO) / Sulphur dioxide (SO₂)

Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear self-contained breathing apparatus / Put on breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

6. ACCIDENTAL RELEASE MEASURES		
Personal precautions, protective equipment and emergency procedures: Wear protective clothing.		
Environmental precautions: Do not allow to enter drainage system, surface or ground water.		
Methods and material for containment and cleaning up: Collect spillage Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.		
7. HANDLING AND STORAGE		
Precautions for safe handling Use personal protective equipment – see section 8. Avoid fumes.		
Conditions for safe storage, including any incompatibilities		
Storage Requirements to be met by storerooms and containers: Store only in the original container. Store in cool location.		
Information about storage in one common storage facility: Store away from foodstuffs. Do not store together with acids or alkalis (caustic solutions)		
Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers This product is hygroscopic. Protect from heat and direct sunlight.		
8. EXPOSURE CONTROL / PERSONAL PROTECTION		
Components with limit values that require monitoring at the workplace:		
This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace		
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, drink or smoke while working. Keep away from foodstuffs, beverages and food. Take off immediately all contaminated clothing Wash hands during breaks and at the end of the work.		
Breathing equipment: Breathing protection recommended Recommended filter device for short term use: Filter P1		
Protection of hands: Protective gloves.	Eye protection: Safety glasses	Body protection: Protective work clothing.
9. PHYSICAL AND CHEMICAL PROPERTIES		
Appearance:	Melting point or range: Not determined	Density: 1.2 g/cm ³
Form: Liquid	Boiling point or range: >100°C	Solubility / Miscibility (water): Dispersible in water
Colour: Beige	Flash point: >190°C	pH-value at 20°C: 6.48 (1% aqueous)
Odour: Weak, Characteristic	Self-inflammability: Product is not self igniting.	Danger of explosion: Product is not explosive.
10. REACTIVITY AND STABILITY		
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.		
Possibility of hazardous reactions: Hazardous polymerisation has not reported under normal temperatures and pressures.		
Conditions to avoid: No further relevant information available.		
Incompatible materials: No further relevant information available.		

Hazardous decomposition products: Thermal decomposition products may include toxic and corrosive fumes of chlorides and toxic oxides of nitrogen		
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- a.i.)
Skin Irritation: No irritant effect. Eye Irritation : No irritant effect. Sensitization: Sensitization possible by skin contact.		
12.ECOLOGICAL INFORMATION		
Aquatic toxicity (formulated product):		
EC 50:1.5mg/l (72 h) (algae)	LC 50: 229mg/l (48 h) (<i>daphnia magna</i>)	
LC 50: 96.8 mg/l (96h) (rainbow trout (<i>oncorhynchus mykiss</i>))		
Persistence and degradability: No further relevant information available.		
Bioaccumulative potential : Chloridazon and metamitron have low bioaccumulation potential		
Mobility in soil: No further relevant information available.		
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. (chloridazon, metamitron (ISO))	
Hazard class (ADR/IMDG, IATA):	Class 9 Miscellaneous dangerous substances and articles. Label 9+P. Packing group III	
Marine pollutant:	Yes	
Special marking (ADR):	Symbol (fish and tree)	
Special precautions (user)	Warning: Miscellaneous dangerous substances and articles.	
Kemler Number:	90	
EMS Number:	F-A,S-F	
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.	
Transport/Additional information:	(ADR) Limited quantities (LQ) LQ7 Transport category 3 Tunnel restriction code E	
15. REGULATORY INFORMATION		
Hazard-determining components of labelling:	Chloridazon, Metamitron.	
Precautionary (P) statements:		
P280	Wear gloves, protective clothing and eye/face protection	
P302+P352	IF ON SKIN: Wash with plenty of soap and water	
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.	
16. OTHER INFORMATION		
H Phrases referenced in section 3:		
H302	Harmful if swallowed.	
H317	May cause an allergic skin reaction.	

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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