

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name – Volcan Combi

Use – Herbicide

Formulation type – suspension concentrate

Supplier – Sipcam UK Limited, 3 The Barn, 27 Kneesworth Street, Royston, Herts SG8 5AB

Emergency phone no – Office 01763 212100

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition – Volcan Combi contains chloridazon and metamidon

Common name – chloridazon **Common name** – Metamidon

CAS/EC no – 1698-60-8 **CAS/EC no** – 41394-05-2

Hazard Symbol – Xi, N **Hazard Symbol** – Xn, N

R phrases – R43, R50/53 **R phrases** – R22, R50/53

Concⁿ – 300g/l **Concⁿ** – 280g/l

3. HAZARDS IDENTIFICATION

Critical Hazard to man – Harmful if swallowed.

Contains chloridazon, may produce an allergic reaction.

Critical Hazard to environment – Very Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

General advice – Remove from source of exposure.

Remove all contaminated clothing and wash affected area.

Inhalation – Remove the individual from exposure to this product and keep well ventilated with fresh air. Keep at rest. If necessary and if breathing stops, give artificial respiration. Seek medical attention.

Skin contact – Remove contaminated clothing immediately.

Wash affected area thoroughly with soap and water.

Rinse with more water. Seek medical attention.

Eye contact – Rinse immediately with plenty of water for at least 15 minutes and then seek medical attention.

Ingestion – If swallowed, wash mouth thoroughly, do not induce vomiting, seek medical attention immediately.

Poisoning symptoms – Symptoms may appear some hours after poisoning. Cutaneous lesions and dermatitis of allergy-type. Bronchial irritation producing bronchospasm, cough and dyspnoea. Systemic effects only from high doses: gastroenteritis, nausea, diarrhoea, headache, excitement and in severe cases liver/kidney damage and depression of central nervous system. If swallowed, the compound is absorbed and metabolised. Renal and faecal excretion within 72 hours.

Treatment – No Specific antidote. Treat Symptomatically and Supportive.

Consult a Poisons Centre such as:

0171 635 9191 (National Poisons Information Service - London)

(AUTHORISED MEDICAL PRACTITIONERS ONLY)

5. FIRE FIGHTING MEASURES

Suitable extinguishing media – Fight fire with CO₂, dry chemical powder, foam or water spray (in preference to water jet).

Specific hazards – Combustion may generate toxic fumes containing HCN, CO and NO₃. Under certain fire conditions traces of other toxic gases cannot be excluded.

Protective equipment – Wear self-contained breathing apparatus (SCBA).

Specific Methods – Cool containers with spray. Contain fire-fighting water, bunding if necessary with sand, earth, or other inert material.

6. ACCIDENTAL RELEASE MEASURES

Personal Protective Equipment – Wear protective coveralls, neoprene gloves, rubber boots and faceshield or goggles, covering as much of the body as possible (See Section 8).

Environmental protection – DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

Inform local water plc immediately if spillage enters drains and the National Rivers Authority (England and Wales) or River Purification Boards (Scotland), if it enters surface or ground waters.

Clean up Methods – Contain or absorb spillage with sand or earth. Sweep up carefully and shovel sweepings into marked bags or drums. Dispose of through a reputable local waste disposal contractor.

7. HANDLING AND STORAGE

Handling – Use Personal Protective Clothing as specified in Section 8. Avoid fumes - work in a well ventilated area.

Storage – KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. Protect from frost. Keep away from heat sources and direct sunlight.

Other

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP OUT OF REACH OF CHILDREN.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Standard (OES) – There is no OES for this product.

Engineering measures – Where possible use a cab fitted with a forced air filtration unit with a pesticide filter when spraying.

Personal Protective Equipment

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES* AND FACE PROTECTION (FACESHIELD) when handling the concentrate. (*neoprene or nitrile at least 0.6mm thick).

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

Where PPE cannot be cleaned, dispose of as contaminated waste.

9. PHYSICAL AND CHEMICAL PROPERTIES

State – Liquid

Density –

Colour – Beige

Odour – Light, characteristic

pH (10% in water) – 3.5 - 4.5

Explosive properties –

Flammability – Non Flammable

Solubility – dispersible in water

10. REACTIVITY AND STABILITY

Stability – Stable under normal ambient conditions. Non-flammable and non-corrosive.

Condition to avoid – High temperatures and direct sunlight.

11. TOXICOLOGICAL INFORMATION

Acute oral LD₅₀ (rat) – Chloridazon 3830 mg/kg
– Metamidon 2950 mg/kg

Acute dermal LD₅₀ (rat) – Chloridazon >2,000 mg/kg
– Metamidon >5,000 mg/kg

Acute inhalation LC₅₀ (4h, rat) – >30.8 mg/l (ai)

Skin Irritation – non irritant

Eye Irritation – non irritant

Sensitisation – Not known to be a sensitiser

12. ECOLOGICAL INFORMATION

Ecotoxicity

(ai) Rainbow Trout LC₅₀ Chloridazon 32-46 mg/l
Metamidon 326 mg/l (96hr)

(ai) Daphnia magna LC₅₀ Chloridazon 131 mg/l
Metamidon 326 mg/l (96hr)

(ai) Bees oral/contact LC₅₀ Chloridazon not toxic
Metamidon not toxic

13. DISPOSAL

Contact Local Authority (Environmental Health Department) or a reputable waste disposal company for collection and disposal of unwanted product or containers.

For further guidance on the disposal of containers, surplus spray solution, tank washings and concentrate, refer to Part 5 (Disposal of Pesticide Waste) of the MAFF/HSE booklet "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

14. TRANSPORT

UN Number – Not classified

Packaging Group – Not classified

Marine Pollutant – Not classified

ADR/RID Classification – Not classified

IMDG/IMO Classification – Not classified

Proper shipping name – ENVIRONMENTALLY HAZARDOUS SUBSTANCE. LIQUID N.O.S (contains chloridazon/metamidon)

Transport Emergency Information (Road) – Not classified (PESTICIDES, LOW HAZARD)

15. REGULATORY INFORMATION

Hazard Symbol – Xn, Harmful
– N, Dangerous for the environment

Risk Phrases (R) – R22 Harmful if swallowed
– R50-53 Very toxic to aquatic organisms may cause long term adverse effects in the aquatic environment.

Safety Phrases – S35 This material and its container must be disposed of in a safe way

– S36 Wear suitable gloves

– S46 If swallowed, seek medical advice immediately and show this container

– S57 Use appropriate containment to avoid environmental contamination

16. OTHER INFORMATION

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

Packaging

Container – 5 Litre HDPE

Outer – 4 x 5 Litre in double-wall carton

Approval number – MAPP 10256