

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name – Solo D
MAPP – 14667
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

Common name – Diflufenican
CAS/EC no – 83164-33-4
Hazard Symbol – N
R phrases – R51/53
Concⁿ – 42%

3. HAZARDS IDENTIFICATION

Critical Hazard to environment – 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, seek medical attention immediately.
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 HF, HC₃, HCN and NO₃.
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 – DANGEROUS TO FISH OR AQUATIC LIFE. Do not contaminate surface water or ditches with chemical or used container.
Harmful to aquatic organisms may cause long term adverse effects in the aquatic environment.
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 Suitable Personal Protective Clothing.
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 SPLASHES from skin or eyes immediately.
AVOID ALL CONTACT BY MOUTH, WITH SKIN AND EYES.
DO NOT BREATHE SPRAY.
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) – No specific standard
Engineering measures – If 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), 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

State – Liquid
Density – 1.2
Colour – White
Odour – Light, characteristic
Boiling point – 100°C
Explosive properties – Not explosive
Flammability – Non Flammable
Solubility – 0.05 ppm @ 20°C (Diflufenican)

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) – >2,000 mg/kg
Acute dermal LD₅₀ (rat) – >2,000 mg/kg
Skin Irritation – Non irritant
Eye irritation – Non irritant
Sensitisation – Product is not sensitising. Contains atrazine may cause an allergic reaction.
Carcinogenicity – Quickly absorbed, metabolised and secreted without significant retention in tissues.
Mutagenicity – Negative
Teratogenicity – Negative

12. ECOLOGICAL INFORMATION

Mobility – (ai) Koc39 - 155.
Ecotoxicity – (ai) Rainbow Trout LC₅₀ >100 mg/l (96hr)
(ai) Daphnia magna LC₅₀ >100 mg/l (48hr)
(ai) Algae LC₅₀ 1.78 ug/l (72hr)
(ai) Bees oral/contact LD₅₀ >100 ug / bee

13. DISPOSAL

Do not empty into drains. This material and its container must be disposed of in a safe way.
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 – 3082
Packaging Group – III
Marine Pollutant –
ADR/RID Classification – 9, 11©
IMDG/IMO Classification – Not classified
Proper shipping name – ENVIRONMENTALLY HAZARDOUS SUBSTANCE. LIQUID N.O.S (contains diflufenican).

15. REGULATORY INFORMATION

Hazard Symbol – N Dangerous for the environment.
Risk Phrases (R) – R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Safety Phrases (S) – S35 This material and its container should be disposed of in a safe way.
S36/37 Wear suitable protective clothing and gloves.

16. OTHER INFORMATION

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.
Packaging – Container: 1 litre HDPE.
Outer: 10 x 1 litre double wall carton.
Approval number – MAPP 14667