

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name – Stacato

MAPP – 05892

Use – Herbicide

Formulation type – Soluble Liquid

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 – Glyphosate

CAS/EC no – 38641-94-0, 2540568

Hazard Symbol – Not classified

R phrases –

Concn – 36%

Common name – Ethoxylated Tallow amine

CAS/EC no – 61791-26-2

Hazard Symbol – Xn, N

R phrases – R22, R41, R51/53

Concn – 13-18%

3. HAZARDS IDENTIFICATION

Critical Hazard to man – Not expected to produce significant adverse effects when used as recommended. Not known to be toxic to man.

Critical Hazard to environment – Harmful to aquatic organisms.

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 – Immediately offer water to drink. Do NOT induce vomiting unless directed by medical personnel. Seek medical attention immediately.

Treatment – Treat Symptomatically. Maintain under medical supervision for at least 48 hours. This product is not an inhibitor of cholinesterase.

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 HCL, 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 – Remove undamaged containers from source of

combustion.

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 – 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 spillage. Absorb in earth or sand 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.

Storage – KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

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.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

This product does not contain any materials with operational exposure limits.

Personal Protective Equipment

WEAR SUITABLE PROTECTIVE GLOVES* AND FACE PROTECTION (FACESHIELD) when handling the concentrate. (* neoprene or nitrile at least 0.5mm 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 – 1.17

Colour – Amber brown

Odour – Slightly amine

pH (1% in water) – 4.4-4.9

Solubility – Soluble

n-octanol/water – log Pow <0.000 (ai)

10. REACTIVITY AND STABILITY

Stable under normal use conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral LD50 (rat) – >2,000 mg/kg (formulation)

Acute dermal LD50 (rat) – >2,000 mg/kg (formulation)

Acute inhalation toxicity LC50 (rat) – >5.7 mg/l (4 hrs aerosol)

Irritation to Skin – Irritating

Irritation to Eye – Irritating

Sensitization – not sensitizing

12. ECOLOGICAL INFORMATION

Mobility – Strongly absorbed to soil and practically immobile.

Bioaccumulation – No significant bioaccumulation is expected.

Ecotoxicity

Rainbow Trout LC50 8.2 mg/l (96hr)

Daphnia magna EC50 12.9 mg/l (48hr, static)

Bees LD50 >0.1 mg/bee (48hr, contact)

Bobwhite quail LD50 >5,620 mg/kg diet, 5 days

Earthworm LD50 >5,000 mg/kg dry soil

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 – UN3082

Packaging Group – III

Marine Pollutant –

ADR/RID Classification – Class 9

IMDG/IMO Classification – Not classified

Proper shipping name –

15. REGULATORY INFORMATION

Hazard Symbol

N Dangerous for the environment.

Xn Harmful.

Risk Phrases (R) –

R20 Harmful by inhalation

R41 Risk of serious damage to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases (S)

S39 Wear eye/face protection

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S35 This material and its container should be disposed of in a safe way.

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 with 63mm neck

Outer – 4x5 in double-wall carton box

Occupational Exposure Limits – There are no OELs for this product

Approval number – M12675