



Nufarm UK Limited

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING.

Prospect

Nufarm UK Limited
Crabtree Manorway North
Belvedere
Kent DA17 6BQ

Emergency Telephone Number 0208 319 7222

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Concentration	Risk Phrases	CAS No.
Thifensulfuron methyl	75% w/w		79277-27-3

3. HAZARDS IDENTIFICATION

No hazards deemed to be of major importance.

4. FIRST AID MEASURES

Inhalation - Move to fresh air. Oxygen or artificial respiration if needed. Seek medical attention.

Ingestion -Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical advice.

Skin Contact -Wash immediately with plenty of water or shower. Launder contaminated clothing.

Eye Contact -Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, foam, dry powder, CO2

Unsuitable extinguishing Media - High volume water jet.

Combustion/decomposition Products - May evolve toxic fumes in fire

Special hazards/instructions - In case of fire wear breathing apparatus and suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions - Use rubber gloves, overalls, boots and eye/face protection. Respiratory protection is recommended where high dust levels are present.

Environmental Precautions - Prevent entry into drains and water courses. Inform local water authorities if material has entered water courses.

Clean up Method - Sweep up and place into salvage container for disposal.

If spill area is on ground near valuable plants or trees, remove 5cm of topsoil after initial clean up.

7. HANDLING AND STORAGE

Store away from heat, food, drink, naked flames, and foodstuffs.

Store in a cool, dry, well ventilated place. Protect from frost.

Personal Precautions - Use rubber gloves, overalls, boots and eye/face protection. Respiratory protection is recommended when excessive dust levels are present.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Use rubber gloves, overalls, boots and eye/face protection. Respiratory protection is recommended when excessive dust levels are present.

Exposure Limits – N/A

Type (OES or MEL)- N/A

8Hr TWA – N/A

15 Minute (STEL) – N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Dry flowable granules.

Colour Beige.

Odour None

pH 5.5 25g/l @ 25°C (thifensulfuron methyl)

Boiling Point (°C) No data available.

Melting Point (°C) 182 – 186°C

Flash Point (°C) N/A

Vapour Pressure No data available

Solubility (water) Dispersible.

Partition coefficient (n-octanol/water) – 0.02 @ pH = 7 (thifensulfuron methyl)

Bulk Density - 580 – 680kg/m³

10. STABILITY AND REACTIVITY

Material is stable if stored and applied as directed.

Conditions to Avoid Dust formation in confined areas.

Materials to Avoid Foodstuffs

Decomposition Products - Carbon oxides, sulfur oxides, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

LD50 Oral Rat > 5000mg/kg

LD50 Dermal rabbit > 2000mg/kg

LC50 Inhalation Rat (4hr) >7.9mg/l (thifensulfuron methyl)

Local Effects Not restricted.

12. ECOLOGICAL INFORMATION

Toxicity to fish:-

LC50 (96hr) bluegill sunfish 520mg/l

LC50 (96hr) rainbow trout 410mg/lmg/l

LC50 (48hr) daphnia 320mg/l

Toxicity to algae:-

EC50 (72hr) algae 14.5mg/l

Toxicity to birds:-

LC50 (8 day) mallard duck >5620mg/kg (thifensulfuron methyl)

LC50 (8 day) bobwhite quail >5620mg/kg (thifensulfuron methyl)

Bioaccumulative Potential - Log Pow = -1.7 @ pH = 7 (thifensulfuron methyl)

Biodegradability 50% after 17.5 – 21 days (thifensulfuron methyl)

13. DISPOSAL CONSIDERATIONS

This material may be classified as hazardous waste.

Do not re-use empty containers. Do not contaminate ponds, waterways or ditches with chemical or used containers.

14. TRANSPORT INFORMATION

Not hazardous for transport within the UK

15. REGULATORY INFORMATION

According to Part III of the Food and Environment Protection Act 1985 and the Control of Pesticide Regulations 1986, this product is not classified as dangerous.

Supply Label Symbol(s) – None.

Risk Phrases – None

MAFF Number – 06541

16. OTHER INFORMATION

The data given this sheet is based on current knowledge and experience, however no liability is accepted for any insufficiency or omission in any case whatsoever.

This safety data sheet does not constitute an assessment of workplace control required by current legislation.