

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: SPENCER OD

Chemical Name:

mesotrione: 2-(4-mesy-2-nitrobenzoyl)cyclohexane-1,3-dione

Nicosulfuron:

2-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-*N,N*-dimethylnicotinamide

Terbuthylazine: *N*²-*tert*-butyl-6-chloro-*N*⁴-ethyl-1,3,5-triazine-2,4-diamine

Product Use: Commercial Herbicides

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Percent, % w/w	CAS RN
Nicosulfuron	2%	111991-09-4
Terbuthylazine	20%	5915-41-3
Mesotrione	4%	104206-82-8

SECTION 3 HAZARDS IDENTIFICATION

Symptoms of Poisoning

No case of human poisoning is on record. Under laboratory conditions unspecific poisoning symptoms were observed in rats.

Irritation: Eye - slight irritant based on active ingredient

Symptoms of Chronic Toxicity: None known.

SECTION 4 FIRST AID MEASURES

In case of poisoning by any route contact a doctor or Poisons Information Centre

Swallowed: DO NOT induce vomiting. Give a glass of water and contact a doctor or Poisons Information Centre.

Eye: May irritate the eyes. Flush eyes with large quantities of water for at least 15 minutes.

Skin: May irritate the skin. Remove contaminated clothing and wash affected areas thoroughly with soap and water.

Inhaled: Move affected person to fresh air and keep at rest until recovered.

Advise to Doctor: No specific antidote is known. If poisoning is suspected apply symptomatic therapy.

SECTION 5 FIRE FIGHTING MEASURES

Dangerous Goods Class: Not allocated

Extinguishing media: Fine water spray, foam, dry powder or CO₂

Unsuitable extinguishing media: None

Special exposure hazards: None known

Fire and Explosive Properties: None known

Flammability: Non-flammable

SECTION 6 ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak: Control the spill at its source. Contain the spill to prevent it from spreading, contaminating soil, or entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. If a solid, sweep up material and place in a compatible disposal container. If a liquid, cover entire spill with absorbing material and place into compatible disposal container. Scrub area with

a hard water detergent. Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposal.

SECTION 7 HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT. **FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.**

Ingestion: Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact: Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Skin Contact: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.

Inhalation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits.

Personal Protection Requirements:

Respiratory Protection Advised

Eye/Face Protection Advised

Skin Protection Advised

SECTION 9 PHYSICAL PROPERTIES

Appearance: flowable suspension

pH: 4.0-7.0

Vapour Pressure: 7.5×10^{-7} mm Hg @ 25°C (active ingredient)

Solubility: 59 ppm @ 25°C (active ingredient)

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Conditions to avoid: None

Materials to avoid: None

Hazardous Decomposition Products: May form toxic gases during thermal decomposition

SECTION 11 TOXICOLOGICAL INFORMATION

LD₅₀ Information (based on active ingredient)

Oral LD₅₀ >5000 mg/kg rat

Dermal LD₅₀ >2000 mg/kg rat

Inhaled LC₅₀ (4 h) >1180 mg/m³

Practically non-toxic to mammals

Irritation: Eye: slight irritant

Skin: mild irriatant

Sensitisation: Skin: Potential sensitiser

Mutagenicity: Not a known mutagen

Reproductive Toxicity: Not a known teratogen

Carcinogenicity: Not a known carcinogen

SECTION 12 ECOLOGICAL INFORMATION

Mobility: Moderately mobile

Persistence: DT50 26 days @ 25°C pH6.1

Bioaccumulation: Does not bioaccumulate

Ecotoxicity: Practically non-toxic to birds, fish and Daphnia. Toxic to algae.

Unlikely to cause environmental harm under normal use conditions.

SECTION 13 DISPOSAL CONSIDERATIONS

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to regional or local body bylaws.

SECTION 14 TRANSPORTATION INFORMATION

UN Number: 3082

Class: 9
