

SAFETY DATA SHEET

SATUR8™

Date of Issue: 11 July 2016

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s):

**Polyalkyleneoxide Modified
Heptamethyltrisiloxane
Adjuvant (in agriculture)**

Recommended use:

Supplier:

Emergency telephone number:

0800 CHEM CALL (0800 243 622) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification

Required identification Details:

6.1D, 6.4A, 6.9B, 9.1B

HARMFUL – may be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation. Avoid contact with skin and eyes. May cause organ damage from repeated oral exposure.

ENVIRONMENTAL WARNING: Harmful to aquatic organisms. Avoid contamination of any water supply with product or empty container.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Polyoxyethylene Monoallyl Ether	27274-31-3	10 – 30%
Polyalkyleneoxide Modified Heptamethyltrisiloxane	67674-67-3	80 – 100%

4. FIRST-AID MEASURES

Description of necessary first aid measures:

For advice, contact the National Poisons Centre **0800 CHEM CALL (0800 243 622)** or a doctor immediately.

Effects and symptoms

First-aid measures

Inhalation:

Remove affected person to fresh air until recovered.
If symptoms develop or persist, seek medical advice.

Ingestion:	If swallowed do NOT induce vomiting. Contact the National Poisons Centre (0800 764 766) or call a doctor immediately.
Skin contact:	If skin or hair contact occurs, remove contaminated clothing and flush skin, hair and/or eyes with running water for several minutes.
Eye contact:	If skin eye contact occurs flush eyes with clean running water for 15 minutes.
Notes to a physician:	Apply symptomatic treatment.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:	2X
Extinguishing media :	Water, foam, carbon dioxide or dry chemicals. Do not direct jets of water or foam into hot burning pools as this may increase frothing and fire intensity.
Hazardous thermal (de)composition products:	If involved in a fire, may emit oxides of carbon and silicon.
Protection of fire-fighters:	Self contained breathing apparatus and protective clothing

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear suitable personal protective equipment (PPE). When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles.
Environmental precautions:	This product is a herbicide and spills can damage crops, pastures and desirable vegetation.
Methods for cleaning up:	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal.

7. HANDLING AND STORAGE

Handling:	Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Keep out of the reach of children.
Storage:	Stores containing more than 100 litres of SATUR8 require secondary containment and an emergency response plan.
Packaging materials:	HDPE Plastic Containers

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Workplace exposure standards:

Exposure Standards outside:

The workplace: None Set

Engineering measures

Exposure control measures:

Handle in well ventilated areas, generally natural ventilation is adequate.

Personal Protective Equipment

Detail specifications for equipment:

It is good practice to wear suitable personal protective equipment (PPE). When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles.

Respiratory system:

Avoid inhalation of spray or spray mist

Skin and body:

Wear cotton overalls buttoned to the neck and wrist and a washable hat

Hands:

Wear elbow-length PVC gloves

Eyes:

Wear a face shield or goggles with side shields.

General hygiene:

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State, odour & colour:

Clear straw coloured liquid with moderate polyether odour

Vapour Pressure:

<1 mm Hg @ 20°C

Solubility:

Dispersible

Freezing point

-8°C (pour point)

Specific gravity or density:

1.02 @ 25°C

Flashpoint:

N.A.

Explosion properties:

Not explosive

Oxidation properties:

Not an oxidiser

10. STABILITY AND REACTIVITY

Stability:

Stable under normal storage and use conditions

Conditions to avoid:

None known

Materials to avoid:

None known.

Hazardous decomposition

Products:

If involved in a fire, may emit oxides of carbon, oxides of silicon, formaldehyde

Hazardous polymerization:

Does not occur

Specific Data:**Hazardous reactions :** None known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral : LD50 (rat) >2000 mg/kg
Acute toxicity - Dermal : LD50 (rabbit) >4000 mg/kg
Acute toxicity – Inhalation: LC50 (rat) 2 mg/l
Skin irritation : Mild irritant
Eye irritation: Severe eye irritant.
Sensitization : Not a sensitizer

Chronic toxicity: The following information is based on analogy with a similar material. This material was not mutagenic in an Ames bacterial assay or in three mammalian test systems including the Chinese Hamster ovary (CHO)/HGPRT gene mutation assay, a micronucleus cytogenetic assay in mice and an in vitro mammalian cytogenetic test., In a repeat skin application study with rats, this material caused moderate irritation which resolved during post-application recovery period. There was no evidence for percutaneous cumulative or specific organic toxicity, and no effect on male or female reproductive systems., Findings from a 14 – day dietary feeding study with rats show that a high dosage repeated ingestion of this material causes reversible adverse effects on the male and female reproductive tracts. Additional effects seen include increased liver weight, altered blood cytology / chemistry and thyroid enlargement (primarily hypertrophy, with some hyperplasia). Evidence of partial or complete recovery was found over a 28 – day recovery period., Findings from a repeat 9 – day aerosol inhalation toxicity study with rats show a no-observable-effect-level (NOEL) of less than 0.025 mg/l. Symptoms of toxicity included rales, gasping, ocular opacity, prostration, hypothermia, reduced body weight gain and food consumption, changes in clinical pathology, decreased thymus weight, and microscopic lesions in the nasal cavity. There was no effect on the male or female reproductive systems. It is not anticipated that the use of aqueous dilutions of this product result in this type of aerosol exposure.

Carcinogenicity: Data indicates no carcinogenic effects
Mutagenicity: Data indicates no mutagenic effects
Reproduction toxicity: Data indicates no reproductive effects
Other information :

12. ECOLOGICAL INFORMATION

Ecotoxicity
Fish LC50 (96hr) for rainbow trout 4.5 mg/l

Daphnia magna

NOEC (96hr) for rainbow trout 3.2 mg/l
LC50 (48hr) for Daphnia magna 24 mg/l
NOEC (48hr) for Daphnia magna 5.6mg/l

13. DISPOSAL CONSIDERATIONS

Methods of disposal :

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose, according to label instructions.

Container Disposal:

Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.

Agrecovery is the national program for the collection and recycling of empty containers triple rinse the container and present clean drum at an Agrecovery collection site alternatively, triple rinse empty container with water, add rinsate to the spray tank. Puncture top, sides and bottom, crush and bury in an approved landfill.

14. TRANSPORT INFORMATION - International transport regulations

UN number:	3082
Class or Division:	Class 9
Sub Class:	N.A.
Packing Group:	III
Marine Pollutant:	No
Proper shipping name :	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Polyalkyleneoxide Modified Heptamethyltrisiloxane, >80%

Other Information:

15. REGULATORY INFORMATION

ACVM Registered Number:

Exempt from Registration under the ACVM Act 1997
HSR002503

HSNO Approval Code:

16. OTHER INFORMATION

Additional information:

Original Issue Date: September 2010
Revision Date: 11 July 2016
Replaces: N/A