

SAFETY DATA SHEET

1. Identification of Product and Company

1.1 Identification of the product

trade name : **SAZOLENE 39G**
chemical name : Slow release nitrogen fertilizer, based on methylene-urea
CAS number : 9011-05-6
CEE number : -
Empiric Formula : $(\text{CH}_4\text{N}_2\text{O} \cdot \text{CH}_2\text{O})_x$

1.2 Product utilisation

Slow release nitrogen fertilizer for soil application.

1.3 Identification of the Company

name : **SADEPAN CHIMICA S.r.l.**
address : Viale Lombardia, 29
place / country : 46019 Viadana (MN) - ITALY
telephone : 0375 - 7871
fax : 0375 - 787200

2. Composition

The product SAZOLENE 39G contains :

	CAS n°	Concentration	Classification	Risk phrases
Methylene-urea	97 % min	not classified	-
Water	3 % max	not classified	-

3. Hazards Identification

According to current regulation, the substance is not considered hazardous.

4. First aid procedures

Eyes contact : rinse with water for 15 minutes; if necessary consult a specialist.
Skin contact : wash contaminated skin with flushing water.
Ingestion : rinse the mouth with water. If swallowing has occurred, drink plenty of water and induce vomiting.
Inhalation : the substance don't emit toxic fumes; protect respiratory tract from dusts.

5. Fire Emergency Procedures

The product is non-flammable and doesn't support the combustion.
Fires involving the product can be extinguished using nebulized water, foam, carbon dioxide or powder extinguishers.
When heated to decomposition, the product can emit toxic fumes of NOx.

6. Leaks and Spillages

Collect and contain the product to avoid dust formation. Don't disperse the product into the environment.

7. Handling and Storage

Handling operations must be done by skilled staff.
To avoid eyes and skin contact, use appropriate protective equipment.
SAZOLENE 39G doesn't have any storage problems: in their original packages and in dry locations at moderate temperature, the product can be conserved without any alteration of their properties for at least 3 years.
In order to maximise the conservation time, the temperature should be kept below 30 °C.

8. Exposure Control / Individual Protection

During handling use rubber gloves and provide eyes protection with glasses.
Wear appropriate protective equipment for skin and respiratory tract.
Don't smoke, eat or drink in the working places.

9. Physical and Chemical Properties

physical state	: solid
granulometry (Size Guide Number)	: variable (consult the informative leaflets)
colour	: white or coloured
odour	: odourless
solubility in water	: partially soluble
solubility in organic solvents	: insoluble
bulk density	: 0.75 ÷ 0.85 kg/dm ³
pH (water dispersion at 10 %)	: neutral
melting point	: not definable
boiling point	: not applicable
flash point	: not flammable
lower explosion limit in air (% volume of dust)	: 500 mg/litre
upper explosion limit in air (% volume of dust)	: not available
decomposition temperature	: > 260 °C
auto-ignition temperature	: not applicable
dangerous reactions	: none

10. Stability and Reactivity

The product can be mixed with all granular fertilizers, but avoid the contact with acids and strong alkali.
Keep away from heat sources.

11. Information on toxicity

- Acute oral toxicity : data not available; according to experiences on similar chemical preparations, it results LD₅₀ rat > 5000 mg/kg.
- Inhalation toxicity : data not available; penetration way not very probable since the compound is not volatile.
- Irritating power / Corrosive action : skin (Draize test) : weakly irritant
eyes (Draize test) : weakly irritant
- Sensitizing power : not available.
- Carcinogenicity : The substance is not carcinogen.
- Mutagenicity : The substance is not mutagen.
- Effect on the reproduction : The substance is not toxic for reproductive cycle.

12. Ecological information

Use according to the good working practice, avoiding to disperse the product into the environment.

- Degradability : SAZOLENE 39G is gradually degrading when dispersed in the ground, releasing products which can be metabolized by microscopic flora.
- Acute toxicity for fish : The methylene-urea has a very weak toxicity for aquatic fauna and flora.

13. Disposal of Waste

The disposal must be made by dumping on a site approved by the Local Authority.

14. Transport

Road transport	RID / ADR	Class :	not classified
Railway transport		Class :	not classified
Sea transport	IMDG code	ONU n° :	not classified
Air transport	ICAO / IATA	ONU n° :	not classified

15. Regulations

The preparation, according to current regulation, is not dangerous.
The present SDS has been drawn up according to the Directive n° 2001/58/CE.

16. Other Information / Bibliographic Reference

UNITED NATIONS, Transport of dangerous goods	1997
ACGIH, Threshold limit values for chemical substances	1998/99
Directive n° 2001/58/CE	
Banque de données ECDIN - Ispra	1993

This document were revised in points 1, 2, 7 and 9.

This product must be stored, handled and used according to the hygiene and safety standards dictated by common industrial practice in conformity to current regulations. The information contained here above is based on our current knowledge. We are not responsible for the use of these information.