

	MATERIAL SAFETY DATA SHEET	Page : 1
		Revised edition no : 4
		Date : 25 / 6 / 2014
		Supersedes : 19 / 12 / 2011
NICOGAN 750		H-0104

SECTION 1. Identification of the substance/mixture and of the company/undertaking

Trade name : NICOGAN 750
Substance name : Nicosulfuron: 2-[4,6-dimethoxy-2-pyrimidinyl)amino]carbaonyl]amino]sulfonyl]-N,N-dimethyl-3-pyridinecarboxamide
Relevant identified uses : Herbicide
Company identification : ADAMA SOUTH AFRICA (PTY) LTD
21 Viben Street
Brackenfell 7560
Email : msds@mcw.co.il
Emergency phone nr : +27 82 331 6463
+27 21 982 1460

SECTION 2. Hazards identification

Environmental hazard : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 3. Composition/information on ingredients

Substance name	Concentration % w/w	CAS No	EC No	Index No	REACH Reg.	Classification
Nicosulfuron	: 72.5 - 77.5 %	111991-09-4	-----	-----	----	N; R50-53

SECTION 4. First aid measures

First aid measures

Inhalation : Remove victim to fresh air. If breathing is difficult: artificial respiration .
Get medical attention.

Skin contact : Remove contaminated clothing and shoes. Wash away remainder with plenty of water.

Eye contact : for at least 15 minutes.
Wash out with plenty of water with the eyelid held wide open Get medical attention.

Ingestion : Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Note to physician : No specific antidote known. Treat symptomatically and give supportive therapy.

Protection of first-aiders : Use appropriate protection (see section 8).

SECTION 5. Fire-fighting measures

Suitable extinguishing media : For small fire : dry chemical powder , water spray carbon dioxide
For large fire : foam , water fog , water spray.

Protection against fire : Self-contained breathing apparatus and total protection required in enclosed areas.

Hazardous decomposition products : Sulfur oxides , nitrogen oxides (NO, NO2) , carbon oxides (CO, CO2) .

SECTION 6. Accidental release measures

For emergency responders : Wear suitable protective clothing, gloves and eye/face protection.

Environmental precautions : Do not empty into drains Do not discharge into the environment.

Clean up methods : Collect spills and put it into appropriated container. Dispose of this material and its container at hazardous or special waste collection point.

	MATERIAL SAFETY DATA SHEET	Page : 2
		Revised edition no : 4
		Date : 25 / 6 / 2014
		Supersedes : 19 / 12 / 2011
NICOGAN 750		H-0104

SECTION 7. Handling and storage

Handling	: Ventilation required.
Storage	: Keep in original containers. Store in dry, well-ventilated area.
Precautions in handling and storage	: Handle in accordance with good industrial hygiene and safety procedures.
Storage - away from	: Direct sunlight .

SECTION 8. Exposure controls/personal protection

TLV©	: Nicosulfuron: Data not available. : Ventilation required.
	: Wash hands thoroughly after handling. When using do not eat, drink or smoke. Wash clothing before re-using.
Personal protection	
• Respiratory protection	: Dust mask .
• Hand protection	: Wear suitable gloves.
• Skin protection	: Wear suitable protective clothing Wear safety boots.
• Eye protection	: Chemical goggles or safety glasses.

SECTION 9. Physical and chemical properties

Physical state at 20 °C	: Granules
Colour	: Beige
Odour	: Faint odour
Melting point [°C]	: 169-174 (Nicosulfuron)
Flammability	: Not flammable
Vapour pressure [mPa]	: <8 e-7@ 25°C (Nicosulfuron)
Solubility in water	: Dispersible
Log P octanol / water at 20°C	: 0.32 (pH 4) (Nicosulfuron)
Explosive Properties	: Not explosive
Oxidising properties	: Not oxidizing

SECTION 10. Stability and reactivity

Stability	: Stable under normal conditions.
Hazardous decomposition products	: Sulfur oxides , nitrogen oxides (NO, NO2) , carbon oxides (CO, CO2) .
Materials to avoid	: oxidizing agents , acids , alkali .

SECTION 11. Toxicological information

Toxicity information	
- Rat oral LD50 [mg/kg]	: > 2,000
- Dermal, Rat LD50 [mg/kg]	: > 2,000
- Rat inhalation LC50 [mg/l/4h]	: > 5.15 (Nicosulfuron)
Dermal irritation (rabbit)	: Non-irritating
Eyes irritation (rabbit)	: Minimal irritant (Nicosulfuron)
Sensitization	: Non sensitizer
Mutagenicity	: Not mutagenic (Nicosulfuron)
Carcinogenicity	: not classified. (Nicosulfuron)
Toxic for reproduction : Fertility	: Not considered to be toxic for the reproductive system. (Nicosulfuron)

	MATERIAL SAFETY DATA SHEET	Page : 3
		Revised edition no : 4
		Date : 25 / 6 / 2014
		Supersedes : 19 / 12 / 2011
NICOGAN 750		H-0104

SECTION 11. Toxicological information (continued)

Toxic for reproduction : Not teratogenic in animal experiments (Nicosulfuron)

SECTION 12. Ecological information

On product

96 H-LC50 - Rainbow trout [mg/l] : >100

48 H-EC50 - Daphnia magna [mg/l] : > 100 (Nicosulfuron)

96 H - EC50 - Algae [mg/l] : NOEC ; 100 (Nicosulfuron)

LD50 Birds [mg/kg] : Japanese quail > 2,000

Bees LD50 [µg] : Not toxic to bees

Persistence - degradability : **Soil :**
Half-life time (t1/2) : 16 days
Water :
Half-life time (t1/2) : (hydrolysis): 15 days (pH 5).

Bioaccumulative potential : Low bioaccumulation potential

Other information : Very toxic to LEMNA

SECTION 13. Disposal considerations

General : Dispose of in a pesticide approved landfill, or in a chemical incinerator equipped with scrubbers. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14. Transport information

UN N° : 3077

- IMO-IMDG - class or division : 9

- IMDG-Marine pollution : Marine pollutant - Polluant marin

- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

- IMO-IMDG - Packing group : III

SECTION 15. Regulatory information

EU Classification : According to Commission Directive 67/548/EEC, 1999/45/EC and its amendments

Symbol(s)



R Phrase(s) : R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s) : S13- Keep away from food, drink and animal feedingstuffs.
S29/35- Do not empty into drains; dispose of this material and its container in a safe way.
S39 - Wear eye/face protection.
S57 - Use appropriate container to avoid environmental contamination.
S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

	MATERIAL SAFETY DATA SHEET	Page : 4
		Revised edition no : 4
		Date : 25 / 6 / 2014
		Supersedes : 19 / 12 / 2011
NICOGAN 750		H-0104

SECTION 16. Other information

List of relevant R phrases (heading 3) : R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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