



# Nicosulfuron 150g/kg + Dicamba 600g/kg SG

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 17/03/2014

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Version: 1.2

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name : Nicosulfuron 150g/kg + Dicamba 600g/kg SG  
Product code : FH-053

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : Agriculture Herbicide

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Rotam Agrochemical Company Ltd  
Unit 6, 26/F Trend Centre, 29 Cheung Lee Street, Chai Wan, Hong Kong  
Tel.: 852-2896 0662 Fax: 852-2558 6577  
[msds@rotam.com](mailto:msds@rotam.com)

#### 1.4. Emergency telephone number

Emergency number : (86) 532 8388 9090

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Acute Tox. 4 (Inhalation:dust,mist) H332

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Full text of R-phrases: see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Labelling according to Directive 67/548/EEC or 1999/45/EC

Hazard pictograms (CLP)



GHS07



GHS09

Signal word (CLP)

: Warning

Hazardous ingredients

: Dicamba (ISO)

Hazard statements (CLP)

: H332 - Harmful if inhaled  
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP)

: P261 - Avoid breathing spray  
P271 - Use only outdoors or in a well-ventilated area  
P273 - Avoid release to the environment  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312 - Call a POISON CENTER/doctor if you feel unwell  
P391 - Collect spillage  
P501 - Dispose of contents/container according to local regulation

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Dicamba (ISO)	(CAS No.) 1918-00-9 (EC no) 217-635-6 (EC Index no) 607-043-00-X	60	Xn; R22 Xi; R41 R52/53
nicosulfuron	(CAS No.) 111991-09-4	15	N; R50/53

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dicamba (ISO)	(CAS No.) 1918-00-9 (EC no) 217-635-6 (EC Index no) 607-043-00-X	60	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412
nicosulfuron	(CAS No.) 111991-09-4	15	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410

Full text of R-, H- and EUH-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area. Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : When symptoms occur: rinse immediately with plenty of water. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse first with plenty of water and if necessary take medical advice. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after ingestion : Rinse mouth with water, do not induce vomiting, call a doctor. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after eye contact : Causes serious eye damage.
- Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>). Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : high volume water jet. Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NO<sub>x</sub>).
- Explosion hazard : Product is not explosive.
- Reactivity : The product is stable at normal handling- and storage conditions.

### 5.3. Advice for firefighters

- Precautionary measures fire : Wear suitable protective clothing, gloves and eye/face protection.
- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE).

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.



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### 6.1.2. For emergency responders

- |                      |  |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.                            |

### 6.2. Environmental precautions

Do not allow material to contaminate ground water system. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- |                         |  |
|-------------------------|--|
| For containment         | : Sweep or shovel spills into appropriate container for disposal.  |
| Methods for cleaning up | : Large spills: scoop solid spill into closing containers. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store aways from other materials. |

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Do NOT get in eyes, on skin or on clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures              | : Wash skin thoroughly after handling.   |

### 7.2. Conditions for safe storage, including any incompatibilities

- |                        |   |
|------------------------|---|
| Storage conditions     | : Store tightly closed in a dry, cool and well-ventilated place. Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. |
| Incompatible products  | : Strong bases. strong acids.   |
| Incompatible materials | : Sources of ignition. Direct sunlight.   |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

- |                               |   |
|-------------------------------|---|
| Personal protective equipment | : Avoid all unnecessary exposure.         |
| Hand protection               | : Wear protective gloves.                 |
| Eye protection                | : Chemical goggles or safety glasses.     |
| Respiratory protection        | : Wear approved mask.                     |
| Other information             | : When using, do not eat, drink or smoke. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- |  |                                  |
|--|----------------------------------|
| Physical state                             | : Solid, granule                 |
| Colour                                     | : Brown                          |
| Odour                                      | : Characteristic odour           |
| Odour threshold                            | : No data available              |
| pH   | : 5.84 at 25.0°C                 |
| Relative evaporation rate (butylacetate=1) | : No data available              |
| Melting point                              | : No data available              |
| Freezing point                             | : No data available              |
| Boiling point                              | : No data available              |
| Flash point                                | : Not relevant as it is a solid  |
| Self ignition temperature                  | : No data available              |
| Decomposition temperature                  | : No data available              |
| Flammability (solid, gas)                  | : Not highly flammable at 25.8°C |
| Vapour pressure                            | : No data available              |
| Relative vapour density at 20 °C           | : No data available              |
| Relative density                           | : 0.651 g/ml at 25°C             |
| Solubility                                 | : Soluble in water               |

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Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: The test substance has an auto flammability at 240°C
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

Nicosulfuron 150g/kg + Dicamba 600g/kg SG	
LD50 oral rat	> 2000 mg/kg (G9376)
LD50 dermal rat	>2000 mg/kg (G 9377)
LC50 inhalation rat (mg/l)	> 1.01 mg/l/4h (G9378)

Irritation	: Not irritant to skin (G9157), mild irritant eyes (G9158)
Corrosivity	: Not classified
Sensitisation	: Not a skin sensitizer (G9159)
Repeated dose toxicity	: Not classified
Carcinogenicity	: Not classified
Mutagenicity	: Not classified
Toxicity for reproduction	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Nicosulfuron 150g/kg + Dicamba 600g/kg SG	
LC50 fishes 1	>100mg/L(Draft assessment report 2006)
EC <sub>50</sub> Daphnia	>100mg/L(Draft assessment report 2006)
ErC50 (other aquatic plants)	<i>Lemna gibba</i> 0.0017 mg/l(Draft assessment report 2006)  The EC50 based on growth rate and yield was considered as higher than the limit tested concentration of 100 mg/L. NOEC is ≥100 mg/L of test item for growth rate and yield;

### 12.2. Persistence and degradability

nicosulfuron (111991-09-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.



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<b>Dicamba (ISO) (1918-00-9)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>12.3. Bioaccumulative potential</b>	
<b>nicosulfuron (111991-09-4)</b>	
Bioaccumulative potential	Not established.
<b>nicosulfuron</b>	
Log Pow	0.61(Draft assessment report 2006)
<b>Dicamba</b>	
Log Pow	0.55~1.9(Draft assessment report 2006)

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container according to local regulation.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / RID / ADN / IMDG / ICAO / IATA

### 14.1. UN number

UN-No. : 3077

### 14.2. UN proper shipping name

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (nicosulfuron/ Dicamba)

Transport document description : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (nicosulfuron/ Dicamba), 9, III, (E)

### 14.3. Transport hazard class(es)

Class (UN) : 9

Hazard labels (UN) : 9



### 14.4. Packing group

Packing group (UN) : III

### 14.5. Environmental hazards

Dangerous for the environment :



Other information : No additional information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 90

Classification code (UN) : M7

Orange plates :



Tunnel restriction code : E

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LQ : LQ27  
Excepted quantities (ADR) : E1  
EAC code : 2Z

### 14.6.2. Transport by sea

No additional information available

### 14.6.3. Air transport

No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

Revision - See : \*.

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: None.

Full text of R-, H- and EUH-phrases::

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R20/22	Harmful by inhalation and if swallowed
R22	Harmful if swallowed
R36	Irritating to eyes
R36/37	Irritating to eyes and respiratory system
R41	Risk of serious damage to eyes
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

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*Disclaimer: The information provided by Rotam Agrochemical Co., Ltd contained herein is given in good faith and correct to the best of our knowledge. However, the information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.*

