

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name : TEMPLIER
Product code FH-041 - Nicosulfuron 750g/kg WG -

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

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

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Rotam Europe Ltd
Hamilton House
Mabledon Place
London WC1H 9BB
Tel : +44 020 7953 0447
msds@rotam.com

1.4. Emergency telephone number

Emergency number : NHS 111: 111 (England and Wales)
NHS 24 : 111 (Scotland)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aquatic Chronic 1; H410
Aquatic Acute 1 ; H400
Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard symbols :



GHS 09

Signal word (CLP) : Warning
Hazard statements (CLP) : H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP) : P273 - Avoid release to the environment
P391 - Collect spillage
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
EUH phrases : EUH401 - To avoid risks to human health and the environment, comply with the instructions for use
PPP safety precautions : SP 1 - Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads)
SPe3 - To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable

TEMPLIER

Safety Data Sheet

according to Regulation No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Nicosulfuron	(CAS No.) 111991-09-4	75	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sodium polycarboxylate	(N° CAS) 37199-81-8	5 - 10	Skin irrit 2, H315 Eye irrit 2, H319
Sodium alkylphthalenesulphonate, polymer with formaldehyde		1 - 5	Skin irrit 2, H315 Eye dam. 1, H318
Sodium alkylphthalenesulfonate		1 - 5	Skin irrit 2, H315 Eye dam. 1, H318

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

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : When symptoms occur: Call a physician or poison control center immediately.
- First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area.
- First-aid measures after skin contact : When symptoms occur: rinse immediately with plenty of water.
- First-aid measures after eye contact : Rinse eyes with plenty of water.
- First-aid measures after ingestion : Rinse mouth and then drink plenty of water. DO NOT induce vomiting. Seek medical advice.

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

No additional information available

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 (CO₂).
- Unsuitable extinguishing media : High volume water jet.

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_x).
- 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 self-contained breathing apparatus and protective suit (see item 8).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Wear appropriate personal protective equipment (PPE) : overall, boots, gloves.

6.1.1. For non-emergency personnel

- Protective equipment : Wear personal protective equipment.
- Emergency procedures : Avoid contact with the releasing.

6.1.2. For emergency responders

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect and transfer the product into a properly labelled and tightly closed container. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Wear proper protective equipment.

TEMPLIER

Safety Data Sheet

according to Regulation No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Hygiene measures : Do not eat, drink or smoke when using this product. Remove soiled clothing immediately and clean thoroughly before using again. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly with soap and water after handling and before eating.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store tightly closed in a dry, cool and well-ventilated place.
Incompatible materials : oxidants, strong acids and strong bases.
Storage area : Store away from heat.

7.3. Specific end use(s)

Professional use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Ensure that there is a suitable ventilation system. Do NOT handle in a confined space.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Granule
Colour : Beige
Odour : Characteristic odor
Odour threshold : No data available
pH : No data available
pH solution : 5.55, 1% solution (CIPAC MT 75.3)
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Solidification point : No data available
Boiling point : No data available
Flash point : No data available
Self ignition temperature : >424°C (EEC A16)
Decomposition temperature : No data available
Flammability (solid, gas) : Not highly flammable (EEC A.10)
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 0.67g/ml (CIPAC (F) MT 169)
Solubility : No data available
Log Pow : 0.61, pH=2.3~2.4 at 20~21 °C (active ingredient: Nicosulfuron)
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : Not explosive (EEC A.14)
Oxidising properties : Not an oxidiser (EEC A.17)
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling- and storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

All heat sources.

TEMPLIER

Safety Data Sheet

according to Regulation No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

10.5. Incompatible materials

strong acids, strong bases and oxidation agents.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

TEMPLIER	
LD50 oral rat	> 2000 mg/kg (OECD n° 425)
LD50 dermal rat	> 4000 mg/kg (OECD n° 402)
LC50 inhalation rat (mg/l)	> 5.05 mg/l/4h (OECD n° 403)

Skin corrosion/irritation	: Non irritant to skin (OECD n°404)
Serious eye damage/irritation	: Very slightly irritant to eyes (OECD n°405)
Respiratory or skin sensitisation	: Not skin sensitizing (OECD n°406)
Repeated dose toxicity	: Not classified
Carcinogenicity	: Not classified
Mutagenicity	: Not classified
Toxicity for reproduction	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

TEMPLIER	
LC ₅₀ fishes 96h	> 134 mg/l (<i>Oncorhynchus mykiss</i>) (OECD n° 203)
EC ₅₀ daphnia 48h	> 134 mg/l (<i>Daphnia magna</i>) (OECD n° 202)
ErC ₅₀ algae 72h	> 134 mg/l (<i>Desmodesmus subspicatus</i>) (OECD n° 201)

12.2. Persistence and degradability

Nicosulfuron is not readily biodegradable.

12.3. Bioaccumulative potential

Log Pow = 0.61, pH=2.3~2.4 at 20~21 °C (active ingredient : Nicosulfuron)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Nicosulfuron does not fulfill the criteria of PBT substances.

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / 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)
Transport document description (ADR)	: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Nicosulfuron), 9, III, (E)
Transport document description (IMDG)	: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Nicosulfuron), 9, III, MARINE POLLUTANT

14.3. Transport hazard class(es)

Class (UN) : 9

TEMPLIER

Safety Data Sheet

according to Regulation No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Hazard labels (UN) : 9



14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 90

Classification code : M7

Orange plates :



Tunnel restriction code : E

Limited quantities (ADR) : LQ27

Excepted quantities (ADR) : E1

EAC code : 2Z

14.6.2. Transport by sea

Marine Pollutant

14.6.3. Air transport

Not applicable

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 Annex XVII restrictions

Contains no REACH candidate substance

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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

Full text of H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
H315	Causes skin irritation.
H318	Causes serious eye damage

TEMPLIER

Safety Data Sheet

according to Regulation No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

SDS EU (REACH Annex II)

Disclaimer: The information provided by Rotam Europe, 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.