

Safety Data Sheet

according to Regulation No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Revision date: 29-02-2024 : Version: 1.0

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

1.1. Product identifier

Trade name : CONNEX®

Code product : FH-009 - Metsulfuron-methyl 68 g/kg + Thifensulfuron-methyl 682 g/kg WG -

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/preparation : Agriculture Herbicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Albaugh Europe Sàrl World Trade Center Lausanne Avenue Gratta-Paille 2 1018 Lausanne Switzerland

Tel: +41 21 799 9130 sds@albaugh.eu

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Chemical Emergency Centre (UK)		01865 407333	24/7

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Acute 1; H400 Aquatic Chronic 1; H410

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 :



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 : SP1 - Do not contaminate surface water with the product or its container (Do not clean

application equipment near surface water/Avoid contamination via drains from farmyards and

roads.)

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Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Substances

Not applicable

3.2. **Mixtures**

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Thifensulfuron-methyl	(CAS-Nr) 79277-27-3 (INDEX-Nr) 016-096-00-2	68.2	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sodium polycarboxylate	(CAS-Nr) 37199-81-8	5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Sulfonated aromatic polymer, sodiumsalt		5 - 10	Skin Irrit. 2, H315 Eye Dam. 1, H318
Metsulfuron-methyl	(CAS-Nr) 74223-64-6 (INDEX-Nr) 613-139-00-2	6.8	Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410

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

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor

if you feel unwell.

First-aid measures after skin contact Rinse immediately with plenty of water. In case of an skin reaction, consult a physician.

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to First-aid measures after eye contact

do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Obtain emergency medical attention.

42 Most important symptoms and effects, both acute and delayed

No additional information available

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

Unsuitable extinguishing media : High volume water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition products in case of : Hazardous decomposition products may be released during prolonged heating like smokes,

fire

carbon monoxide and dioxide, nitrogen oxides (NOx).

Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

: Evacuate unnecessary personnel. Ventilate spillage area. Do not breathe **Emergency procedures**

dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Wear a self-contained breathing apparatus and appropriate personal protective equipment

(PPE).

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.

Methods and material for containment and cleaning up

Sweep or shovel spills into appropriate container for disposal. For containment

Methods for cleaning up Large spills: scoop solid spill into closing containers. On land, sweep or shovel into suitable

containers. Minimize generation of dust. Store away from other materials.

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6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

Precautions for safe handling : Do not breathe spray, vapours. Use only outdoors or in a well-ventilated area. Avoid contact

with skin and eyes. Wear personal protective equipment.

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. See the label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Avoid any unnecessary exposure. Use personal protective equipment that is clean and has been

properly maintained. Store personal protective equipment in a clean place, away from the work

area. Remove and wash contaminated clothing before re-using.

Hand protection : Wear suitable protective gloves. Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Ensure that there is adequate ventilation, especially in confined areas.

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 - water dispersible granules

Appearance : Granules
Colour : Off-white

Odour : No characteristic odour

Odour threshold : Not applicable pH : Not applicable

pH solution : 5.64 at 25°C (1% solution, CIPAC MT 75.3)

Relative evaporation rate (butylacetate=1) : Not applicable

Melting point : Measured up to 171°C (active substance: Thifensulfuron-methyl); 158°C (active substance:

Metsulfuron-methyl)

Freezing point : No data available
Boiling point : No data available
Flash point : Not applicable

Self ignition temperature : > 500 °C (ASTM E659) Decomposition temperature : No data available

Flammability (solid, gas) : Not flammable (EEC A.10)

Vapour pressure : Not applicable
Relative vapour density at 20 °C : No data available

Relative density : Tap density : 0.677 / Pour Density = 0.641g/mL (CIPAC MT 186)

: No data available

Density : Not applicable
Solubility : Not applicable, mixture

Log Pow : -1.65 à pH=7 (Active substance :Thifensulfuron-methyl)

-1.87 à pH=7 (Active substance: Metsulfuron-methyl)

Log Kow : Not applicable, mixture

Viscosity, kinematic : Not applicable Viscosity, dynamic : Not applicable

Explosive limits

Explosive properties : Not explosive (EEC A.14)
Oxidising properties : Not oxidising (EEC A.17)

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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

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CONNEX®		
LD50 oral rat	> 5000 mg/kg (OECD Guideline n°425)	
LD50 dermal rat	> 5050 mg/kg (OECD Guideline n°402)	
LC50 inhalation rat (mg/l)	> 2.12 mg/l/4h (OECD Guideline n°403)	

Skin corrosion/irritation : Not irritant to skin (OECD Guideline n°404)
Serious eye damage/irritation : Not irritant to eyes (OECD Guideline n°405)
Respiratory or skin sensitisation : Not skin sensitizing (OECD Guideline 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 exposure)

11.2. Information on other hazards

Endocrine disrupting properties : None Other information : None

SECTION 12: Ecological information

12.1.

CONNEX®		
ErC50 (Algae) 72h	0.219 mg/l (Anabaena flos-aquae) (OECD Guideline n°201)	
EyC50 (Algae) 72h	0,041 mg/l (Anabaena flos-aquae) (OECD Guideline n°201)	
NOEC (Algae) 72h	< 0,006 mg/l (Anabaena flos-aquae) (OECD Guideline n°201)	
ErC50 (other aquatic plants) 7days	0.001042 mg/l (Lemna gibba L.) (OECD Guideline n°221)	
EyC50 (other aquatic plants) 7days	0.000556 mg/l (Lemna gibba L.) (OECD Guideline n°221)	
NOEC (other aquatic plants) 7days	0.000293 mg/l (Lemna gibba L.) (OECD Guideline n°221)	

12.2. Persistence and degradability

Metsulfuron-methyl and thifensulfuron-methyl are not persistent in the environment. Metsulfuron-methyl and thifensulfuron-methyl are not readily biodegradable.

12.3. Bioaccumulative potential

Thifensulfuron-methyl (CAS n°: 79277-27-3)	
Log Pow	-1.65
Metsulfuron-methyl (CAS n°:74223-64-6)	
Log Pow	-1.87

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12.4. Mobility in soil

Thifensulfuron-methyl: KFoc= 3 - 86 ml/g Metsulfuron-methyl: KFoc = 4 - 207 ml/g

12.5. Results of PBT and vPvB assessment

Metsulfuron-methyl and Thifensulfuron-methyl do not fulfil the criteria of a PBT or vPvB substance

12.6. Endocrine disrupting properties

None known

12.7. Other adverse effects

None known

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. (ADR)
 : 3077

 UN-No. (IMDG)
 : 3077

 UN-No. (IATA)
 : 3077

 UN-No. (ADN)
 : 3077

 UN-No. (RID)
 : 3077

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper Shipping Name (IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper Shipping Name (ADN) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper Shipping Name (RID) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Transport document description (ADR) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Thifensulfuron-

methyl/metsulfuron-methyl), 9, III, (E)

Transport document description (IMDG) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Thifensulfuron-

methyl/metsulfuron-methyl), 9, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA) : UN 3077 Environmentally hazardous substance, SOLID, n.o.s. (Thifensulfuron-

methyl/metsulfuron-methyl), 9, III, ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Thifensulfuronmethyl) 0. III. ENVIRONMENTALLY HAZARDOUS

methyl/metsulfuron-methyl), 9, III, ENVIRONMENTALLY HAZARDOUS

Transport document description (RID) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Thifensulfuron-

methyl/metsulfuron-methyl), 9, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9
Danger labels (ADR) : 9



IMDG

Transport hazard class(es) (IMDG) : 9
Danger labels (IMDG) : 9



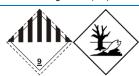
IATA

Transport hazard class(es) (IATA) : 9
Hazard labels (IATA) : 9

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ADN

Transport hazard class(es) (ADN) 9 Danger labels (ADN)



RID

Transport hazard class(es) (RID) : 9 Danger labels (RID)



14.4. **Packing group**

Packing group (ADR) : III Packing group (IMDG) Ш Ш Packing group (IATA) Ш Packing group (ADN) Packing group (RID) Ш

14.5. **Environmental hazards**

: Yes Dangerous for the environment Marine pollutant Yes

No supplementary information available Other information

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : M7

Special provisions (ADR) : 274, 335, 601, 375

Limited quantities (ADR) : 5kg Excepted quantities (ADR)

: P002, IBC08, LP02, R001 Packing instructions (ADR)

: PP12. B3 Special packing provisions (ADR) Mixed packing provisions (ADR) : MP10 Portable tank and bulk container instructions : T1, BK1, BK2

(ADR)

Portable tank and bulk container special

provisions (ADR)

: TP33

Tank code (ADR) : SGAV, LGBV

Vehicle for tank carriage : AT : 3 Transport category (ADR) Special provisions for carriage - Packages : V13

(ADR)

: VC1, VC2 Special provisions for carriage - Bulk (ADR) Special provisions for carriage - Loading, : CV13

unloading and handling (ADR)

Hazard identification number (Kemler No.)

Orange plates

90 3077

Tunnel restriction code (ADR) EAC code : 2Z

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- Transport by sea

Special provisions (IMDG) : 274, 335, 966, 967, 969

Limited quantities (IMDG) : 5 kg Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P002. LP02 Special packing provisions (IMDG) : PP12 IBC packing instructions (IMDG) : IBC08 IBC special provisions (IMDG) : B3

Tank instructions (IMDG) : T1, BK1, BK2, BK3

Tank special provisions (IMDG) : TP33 : F-A EmS-No. (Fire) : S-F EmS-No. (Spillage) Stowage category (IMDG) : A Stowage and handling (IMDG) : SW23

- Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y956 PCA limited quantity max net quantity (IATA) : 30kgG PCA packing instructions (IATA) : 956 PCA max net quantity (IATA) : 400kg CAO packing instructions (IATA) : 956 CAO max net quantity (IATA) : 400kg

Special provisions (IATA) : A97, A158, A179, A197

ERG code (IATA) : 9L

- Inland waterway transport

Classification code (ADN) : M7

: 274, 335, 375, 601 Special provisions (ADN)

Limited quantities (ADN) : 5 kg Excepted quantities (ADN) : E1 : T* B** Carriage permitted (ADN) : PP, A Equipment required (ADN) Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : M7

: 274, 335, 375, 601 Special provisions (RID)

Limited quantities (RID) : 5kg Excepted quantities (RID) : E1

Packing instructions (RID) : P002, IBC08, LP02, R001

Special packing provisions (RID) : PP12, B3 Mixed packing provisions (RID) : MP10 : T1, BK1, BK2 Portable tank and bulk container instructions

(RID)

Portable tank and bulk container special : TP33

provisions (RID)

Tank codes for RID tanks (RID) : SGAV, LGBV

Transport category (RID) : 3 Special provisions for carriage - Packages : W13

(RID)

: VC1, VC2 Special provisions for carriage – Bulk (RID) Special provisions for carriage - Loading, : CW13, CW31

unloading and handling (RID)

Colis express (express parcels) (RID) : CE11 Hazard identification number (RID) : 90

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

Not applicable

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SECTION 15: Regulatory information

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

National regulations 15.1.2.

No additional information available

Chemical safety assessment

The mixture is registered as a plant protection product according to Regulation (EC) No.1107 / 2009.

SECTION 16: Other information

This MSDS supersedes all previous editions.

CONNEX® is a registered trademark of ALBAUGH.

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:

A (1 A) 4	
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
Eye Irrit.2	Serious eye damage/eye irritation Category 2
Eye Dam. 1	Serious eye damage, Category 1.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H319	Causes serious eye irritation.
H318	Causes serious eye damage.
H315	Causes skin irritation.

SDS EU (REACH Annex II)

Disclaimer: The information provided by Albaugh Europe Sarl 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.

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