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CVR No. DK 12 76 00 43

SAFETY DATA SHEET

JMQ48 50 SG

Revision: Sections containing a revision or new information are marked with a ♣.

♣ SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. **Product identifier** ..... **JMQ48 50 SG**

1.2. **Relevant identified uses of the substance or mixture and uses advised against** ..... Can be used as herbicide only.

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

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SDS.Ronland@fmc.com

1.4. **Emergency telephone number**

Medical emergencies:

Austria: +43 1 406 43 43
Belgium: +32 70 245 245
Bulgaria: +359 2 9154 409
Cyprus: 1401
Czech Republic: +420 224 919 293
+420 224 915 402
Denmark: +45 82 12 12 12
England and Wales: 111
Estonia: +372 7943500
Finland: +358 9 471 977
France: +33 (0) 1 45 42 59 59
Greece: 30 210 77 93 777
Hungary: +36 80 20 11 99
Ireland (Republic): +353 1 837 9964
Italy: +39 02 6610 1029
Latvia: +371 670 42 473
112
Lithuania: +370 523 62052
+370 687 53378
Luxembourg: +352 8002 5500
Malta: 112
Netherlands: +31 30 274 88 88
Norway: +47 22 591300
Poland: +48 22 619 66 54
+48 22 619 08 97
Portugal: 800 250 250 (in Portugal only)
+351 21 330 3284
Romania: +40 21318 3606
Scotland: +8454 24 24 24
Slovakia: +421 2 54 77 4 166
Slovenia: +386 41 650 500
South Africa: +27 83 123 3911 (Bateleur Emergency Response Co.)
Spain: +34 91 562 04 20
Sweden: +46 08-331231
112
Switzerland: 145
Turkey: 114
U.S.A. & Canada: +1 800 331-3148
All other countries: +1 651 632-6793 (Collect)

For fire, leak, spill or other accident emergencies:

U.S.A.: +1 800 424-9300 (CHEMTREC – U.S.A.)
All other countries: +1 703 741-5970 (CHEMTREC – International)

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♣ SECTION 2: HAZARDS IDENTIFICATION

2.1. **Classification of the substance or mixture** — Specific target organ toxicity – repeated exposure: Category 2 (H373)
Hazards to the aquatic environment, acute: Category 1 (H400)
chronic: Category 1 (H410)

WHO classification ..... Class U (unlikely to present acute hazard in normal use).

Health hazards ..... The product may cause adverse effects on prolonged or repeated exposure.

Environmental hazards ..... The product is expected to be toxic to most plants.

2.2. **Label elements**

According to EU Reg. 1272/2008 as amended

Product identifier ..... JMQ48 50 SG

Hazard pictograms (GHS08, GHS09)

Signal word ..... Warning

Hazard statements
H373 ..... May cause damage to organs through prolonged or repeated exposure.
H410 ..... Very toxic to aquatic life with long lasting effects.

Supplementary hazard statements
EUH208 ..... Contains tribenuron-methyl. May produce an allergic reaction.
EUH401 ..... To avoid risks to human health and the environment, comply with the instructions of use.

Precautionary statements
P260 ..... Do not breathe dust or vapours.
P273 ..... Avoid release to the environment.
P314 ..... Get medical attention if you feel unwell.
P391 ..... Collect spillage.
P501 ..... Dispose of contents and container as hazardous waste.

2.3. **Other hazards** ..... None of the ingredients in the product meets the criteria for being PBT or vPvB.

♣ SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. **Substances** ..... The product is a mixture, not a substance.

3.2. **Mixtures** ..... See section 16 for full text of hazard statements.

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Active ingredients

Thifensulfuron-methyl ..... Content: 40% by weight
CAS name ..... 2-Thiophenecarboxylic acid, 3-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-, methyl ester
CAS no. 79277-27-3
IUPAC name ..... Methyl 3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)thiophene-2-carboxylate
ISO name/EU name ..... Thifensulfuron-methyl
EC no. (EINECS no.)..... None
EU index no. 016-096-00-2
Molecular weight 387.39
Classification of the ingredient ..... Hazards to the aquatic environment,
acute: Category 1 (H400), M-factor 100
chronic: Category 1 (H410), M-factor 100

Tribenuron-methyl ..... Content: 10% by weight
CAS name ..... Benzoic acid, 2-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino]carbonyl]amino]sulfonyl]-, methyl ester
CAS no. 101200-48-0
IUPAC name ..... Methyl 2-[4-methoxy-6-methyl-1,3,5-triazin-2-yl(methyl)-carbamoylsulfamoyl]benzoate
ISO name/EU name ..... Tribenuron-methyl
EC no. (ELINCS no.) 401-190-1
EU index no. ..... In 30th amendment to Dir. 67/548/EEC: 613-265-00-3
In 1st amendment to Reg. 1272/2008: 607-177-00-9
Molecular weight 395.39
Classification of the ingredient ..... Skin sensitisation: Category 1B (H317)
Specific target organ toxicity – repeated exposure: Category 2 (H373)
Hazards to the aquatic environment,
acute: Category 1 (H400), M-factor 100
chronic: Category 1 (H410), M-factor 100

Reportable ingredient	Content (% w/w)	CAS no.	EC no. (EINECS no.)	Classification
Sodium carbonate Reg. no. 01-2119485498-19	10 - 15	497-19-8	207-838-8	Eye Irrit. 2 (H319)
Trisodium orthophosphate	1 - 5	7601-54-9	231-509-8	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)

♣ SECTION 4: FIRST AID MEASURES

4.1. **Description of first aid measures**

Inhalation ..... If experiencing any discomfort, immediately remove from exposure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambulance.

Skin contact ..... Immediately remove contaminated clothing and footwear. Flush skin

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with water. Wash with water and soap. See physician if any symptom develops.

Eye contact ..... Immediately rinse eyes with much water or eyewash solution, occasionally opening eyelids, until no evidence of chemical remains. Remove contact lenses after a few minutes and rinse again. See physician if irritation develops.

Ingestion ..... Inducing vomiting is not recommended. Let the exposed person rinse mouth and drink water or milk. If vomiting does occur, let him/her rinse mouth and drink fluids again. Call a doctor or get medical attention immediately.

4.2. **Most important symptoms and effects, both acute and delayed** Possibly irritation. To our knowledge, adverse effects in humans have not been reported. The product is not expected to cause severe adverse effects to health, but adverse health effects cannot be excluded in cases of much exposure.

4.3. **Indication of any immediate medical attention and special treatment needed** Immediate medical attention is required in case of ingestion

It may be helpful to show this safety data sheet to physician.

Note to physician ..... A specific antidote against this substance is not known. Gastric lavage and/or administration of activated charcoal can be considered. After decontamination, treatment is supportive and symptomatic. Possible mucosal damage may contraindicate the use of gastric lavage.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. **Extinguishing media** ..... Dry chemical or carbon dioxide for small fires, water spray or foam for large fires. Avoid heavy hose streams.

5.2. **Special hazards arising from the substance or mixture** The essential breakdown products are volatile, toxic, irritant and inflammable compounds such as nitrogen oxides, sulphur dioxide, carbon monoxide and carbon dioxide.

5.3. **Advice for firefighters** ..... Use water spray to keep fire-exposed containers cool. Approach fire from upwind to avoid hazardous vapours and toxic decomposition products. Fight fire from protected location or maximum possible distance. Dike area to prevent water runoff. Firemen should wear self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. **Personal precautions, protective equipment and emergency procedures** It is recommended to have a predetermined plan for the handling of spills. Empty, closable vessels for the collection of spills should be available.

In case of large spill (involving 10 tonnes of the product or more):
1. use personal protection equipment; see section 8

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2. call emergency telephone no.; see section 1
3. alert authorities.

Observe all safety precautions when cleaning up spills. Use personal protection equipment. Depending on the magnitude of the spill this may mean wearing respirator, face mask or eye protection, chemical resistant clothing, gloves and rubber boots.

Stop the source of the spill immediately if safe to do so. Reduce and avoid formation of airborne dust as much as possible, if appropriate by moistening. Remove sources of ignition.

6.2. **Environmental precautions** ..... Contain the spill to prevent any further contamination of surface, soil or water. Wash waters must be prevented from entering surface water drains. Uncontrolled discharge into water courses must be alerted to the appropriate regulatory body.

6.3. **Methods and materials for containment and cleaning up** It is recommended to consider possibilities to prevent damaging effects of spills, such as bunding or capping. See GHS (Annex 4, Section 6).

Surface water drains should be covered if appropriate. Minor spills on the floor or other impervious surface should immediately be swept up or preferably vacuumed up using equipment with high efficiency final filter. Transfer to suitable containers. Clean area with strong industrial detergent and much water. Absorb wash liquid onto inert absorbent such as universal binder, Fuller's earth, bentonite or other absorbent clay and collect in suitable containers. The used containers should be properly closed and labelled.

Large spills which soak into the ground should be dug up and transferred to suitable containers.

Spills in water should be contained as much as possible by isolation of the contaminated water. The contaminated water must be collected and removed for treatment or disposal.

6.4. **Reference to other sections** ..... See subsection 8.2. for personal protection.
See section 13 for disposal.

SECTION 7: HANDLING AND STORAGE

7.1. **Precautions for safe handling** .... In an industrial environment, it is recommended to avoid all personal contact with the product, if possible by using closed systems with remote system control. The material should be handled by mechanical means as much as possible. Adequate ventilation or local exhaust ventilation is required. The exhaust gases should be filtered or treated otherwise. For personal protection in this situation, see section 8.

For its use as a pesticide, first look for precautions and personal

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protection measures on the officially approved label on the packaging or for other official guidance or policy in force. If these are lacking, see section 8.

Avoid contact with eyes, skin or clothing. Avoid breathing dust or spray mist.

Remove contaminated clothing immediately. Wash thoroughly after handling. Before removing gloves, wash them with water and soap. After work, take off all work clothes and footwear. Take a shower, using water and soap. Wear only clean clothes when leaving job. Wash protective clothing and protective equipment with water and soap after each use.

Do not discharge to the environment. Do not contaminate water when disposing of equipment wash waters. Collect all waste material and remains from cleaning equipment, etc., and dispose of as hazardous waste. See section 13 for disposal.

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

The product is stable under normal conditions of warehouse storage.

Keep in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. The room should only be used for storage of chemicals. Food, drink, feed and seed should not be present. A hand wash station should be available.

7.3. **Specific end use(s)** .....

The product is a registered pesticide which may only be used for the applications it is registered for, in accordance with a label approved by the regulatory authorities.

♣ SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. **Control parameters**

Personal exposure limits .....

To our knowledge not established for the active ingredients or any other component in this product. An exposure limit of 10 mg/m^3 (8-hr TWA) is recommended for other sulphonylureas. However, personal exposure limits defined by local regulations may exist and must be observed.

Thifensulfuron-methyl

DNEL .....

Not established
The EFSA has established an AOEL of 0.07 mg/kg bw/day

PNEC, aquatic environment .....

Insufficient data available

Tribenuron-methyl

DNEL .....

Not established
The EFSA has established an AOEL of 0.05 mg/kg bw/day

PNEC, aquatic environment .....

0.1 µg/l

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Sodium carbonate
DNEL, inhalation ..... 10 mg/m^3
PNEC, aquatic environment ..... No data available

Trisodium orthophosphate
DNEL, inhalation, systemic ..... 4.07 mg/m^3
PNEC, aquatic environment ..... No hazard identified

8.2. **Exposure controls** .....

When used in a closed system, personal protection equipment will not be required. The following is meant for other situations, when the use of a closed system is not possible, or when it is necessary to open the system. Consider the need to render equipment or piping systems non-hazardous before opening.

The precautions mentioned below are primarily meant for handling of the undiluted product and for preparing the spray solution, but can be recommended for spraying as well.

In cases of incidental high exposure, maximal personal protection equipment may be necessary, such as respirator, face mask, chemical resistant coveralls.

Respiratory protection

The product does not automatically present an airborne exposure concern during normal handling, but in the event of an accidental discharge of the material which produces a heavy vapour or dust, workers must put on officially approved respiratory protection equipment with a universal filter type including particle filter.

Protective gloves .....

Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber. The breakthrough times of these materials for the product are unknown, but it is expected that they will give adequate protection.

Eye protection .....

Wear safety glasses. It is recommended to have an eye wash fountain immediately available in the workplace when there is a potential for eye contact.

Other skin protection

Wear appropriate chemical resistant clothing to prevent skin contact depending on the extent of exposure. During most normal work situations where exposure to the material cannot be avoided for a limited time span, waterproof pants and apron of chemical resistant material or coveralls of polyethylene (PE) will be sufficient. Coveralls of PE must be discarded after use if contaminated. In cases of excessive or prolonged exposure, coveralls of barrier laminate may be required.

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♣ SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state	Solid
Colour	Light brown
Odour	Slight
Melting point/freezing point	**Thifensulfuron-methyl** : 173°C; decomposes **Tribenuron-methyl** : 141°C
Boiling point or initial boiling point and boiling range	Decomposes
Flammability	Not highly flammable; may be ignitable
Lower and upper explosive limit ..	Not determined
Flash point	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	**Thifensulfuron-methyl** : 173°C **Tribenuron-methyl** : approx. 175°C
pH	10 g/l dispersion in water: 8.6 at 20°C
Kinematic viscosity	Not determined
Solubility	The product is soluble in water. Solubility of **thifensulfuron-methyl** at 25°C in: n-hexane < 0.1 g/l acetonitrile 7.3 g/l water 0.223 g/l at pH 5 and 25°C 2.24 g/l at pH 7 and 25°C 8.83 g/l at pH 9 and 25°C 2.040 g/l at pH 7 and 20°C Solubility of **tribenuron-methyl** in: acetone 43.8 g/l hexane 0.028 g/l water 0.028 g/l at pH 4 and 25°C 0.050 g/l at pH 5 and 25°C 0.280 g/l at pH 6 and 25°C 2.040 g/l at pH 7 and 20°C
Partition coefficient n-octanol/water (log value)	**Thifensulfuron-methyl** : log K_{ow} = -1.7 at pH 7 and 25°C **Tribenuron-methyl** : log K_{ow} = 2.3 at pH 1.5 log K_{ow} = 2.25 at pH 4.0 log K_{ow} = 2.0 at pH 5.0 log K_{ow} = 1.25 at pH 6.0 log K_{ow} = -0.44 at pH 7.0
Vapour pressure	**Thifensulfuron-methyl** : 7.5 x 10^{-9} Pa at 20°C 1.7 x 10^{-8} Pa at 25°C **Tribenuron-methyl** : 5.33 x 10^{-7} Pa at 25°C
Density and/or relative density	Bulk density, packed: ca. 0.688 g/cm^3
Relative vapour density	Not determined
Particle characteristics	Granules

9.2. **Other information**

Minimum ignition energy	> 1000 mJ

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SECTION 10: STABILITY AND REACTIVITY

10.1.	**Reactivity**	To our knowledge, the product has no special reactivities.
10.2.	**Chemical stability**	The product is stable during normal handling and storage at ambient temperatures.
10.3.	**Possibility of hazardous reactions**	None known.
10.4.	**Conditions to avoid**	Heating of the product may evolve harmful and irritant vapours.
10.5.	**Incompatible materials**	None known.
10.6.	**Hazardous decomposition products**	See subsection 5.2.

♣ SECTION 11: TOXICOLOGICAL INFORMATION

11.1. **Information on hazard classes as defined in Regulation (EC) No 1272/2008**

* = Based on available data, the classification criteria are not met.

Product

Acute toxicity		The product is not harmful by inhalation, in contact with skin or if swallowed. * However, it should always be treated with the usual care of handling chemicals. The acute toxicity, as measured on a similar product, is:
Route(s) of entry	- ingestion	LD_{50}, oral, rat: > 5000 mg/kg
	- skin	LD_{50}, dermal, rat: > 5000 mg/kg (method OECD 402)
	- inhalation	LC_{50}, inhalation, rat: not available
Skin corrosion/irritation		Not irritating to skin (measured on a similar product, method OECD 404). *
Serious eye damage/irritation		Not irritating to eyes (measured on a similar product, method OECD 405). *
Respiratory or skin sensitisation ...		Not a skin sensitizer (method OECD 429). *
Germ cell mutagenicity		The product contains no ingredients known to be mutagenic. *
Carcinogenicity		The product contains no ingredients known to be carcinogenic. *
Reproductive toxicity		The product contains no ingredients found to have adverse effects on reproduction. *
STOT – single exposure		To our knowledge, no specific effects have been observed after single exposure. *

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STOT – repeated exposure		The following has been measured on the active ingredient thifensulfuron-methyl: Target organ: no specific target organ LOEL: approx. 200 mg/kg bw/day in a 90-day rat study. At this exposure level, reduced body weight was observed (method OJ L133, 1988). *
Aspiration hazard		The product contains no ingredients known to present an aspiration pneumonia hazard. *
Thifensulfuron-methyl		
Toxicokinetics, metabolism and distribution		Thifensulfuron-methyl is rapidly absorbed and excreted following oral administration. It is widely distributed in the body. Metabolism is limited. There is no evidence for accumulation.
Acute toxicity		The substance is not harmful by inhalation, in contact with skin or if swallowed. * The acute toxicity is measured as:
Route(s) of entry	- ingestion	LD_{50}, oral, rat: > 5000 mg/kg (method OECD 423)
	- skin	LD_{50}, dermal, rat: > 2000 mg/kg (method OECD 402)
	- inhalation	LC_{50}, inhalation, rat: > 5.03 mg/l/4 h (method OECD 403)
Skin corrosion/irritation		May cause mild, transient irritation to skin (method OECD 404). *
Serious eye damage/irritation		Not irritating to eyes (method OECD 405). *
Respiratory or skin sensitisation ...		The substance was not sensitising in the Local Lymph Node Assay (method OECD 429). *
Tribenuron-methyl		
Toxicokinetics, metabolism and distribution		Tribenuron-methyl is rapidly absorbed after oral intake, widely distributed in the body and extensively metabolised. Excretion is rapid, within a few days. No indication of bioaccumulation is found.
Acute toxicity		The substance is not harmful by inhalation, in contact with skin or if swallowed. * The acute toxicity is measured as:
Route(s) of entry	- ingestion	LD_{50}, oral, rat: > 5000 mg/kg (method OECD 425)
	- skin	LD_{50}, dermal, rat: > 5000 mg/kg (method OECD 402)
	- inhalation	LC_{50}, inhalation, rat: > 5.14 mg/l/4 h (method OECD 403)
Skin corrosion/irritation		May cause mild, transient irritation to skin (method OECD 404). *
Serious eye damage/irritation		May cause mild, transient irritation to eyes (method OECD 405). *
Respiratory or skin sensitisation ...		The substance was found to be a weak sensitizer in guinea pigs (method OECD 406). It was not sensitising in the Local Lymph Node Assay (method OECD 429).

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Sodium carbonate

Toxicokinetics, metabolism and distribution	Both sodium and carbonate ions are normal constituents in the body and regulated between narrow ranges. These ranges will not be exceeded, except locally in unusual situations such as accidents.
Acute toxicity	The substance is not considered to be harmful by single exposure. *
Skin corrosion/irritation	Not irritating to skin (method OECD 404). *
Serious eye damage/irritation	Several tests have been performed with varying results. The weight of evidence is that the substance is irritating to eyes.
Respiratory or skin sensitisation ...	To our knowledge, no indications of allergenic effects have been reported. *

Trisodium orthophosphate

Toxicokinetics, metabolism and distribution	Both sodium and phosphate ions are essential body constituents and are regulated within narrow ranges. These ranges will not be exceeded, except locally in unusual situations such as accidents. Generally, a high phosphate diet is not considered healthy, but this is not relevant for circumstances at the workplace.
Acute toxicity	The substance is not considered to be harmful by single exposure. *
Skin corrosion/irritation	Results of animal tests indicate that the substance is not irritating to skin. *
Serious eye damage/irritation	Irritating to eyes (method EPA OTS 798.4500).
Respiratory or skin sensitisation ...	Not sensitising (method OECD 429). *

11.2. **Information on other hazards** .... No more relevant information is available.

♣ SECTION 12: ECOLOGICAL INFORMATION

12.1. **Toxicity** ..... The product is very toxic to aquatic plants. It is considered as non-toxic to fish, aquatic invertebrates, soil micro- and macroorganisms, birds, mammals and insects.

The ecotoxicity of the product is measured as:

- Algae	Green algae (*Pseudokirchneriella subcapitate*) ...	72-h E_rC_{50}: > 0.400 mg/l
- Plants	Duckweed (*Lemna gibba*)	7-day EC_{50}: 2.2 µg/l

The following was measured on a similar product:

- Fish	Rainbow trout (*Oncorhynchus mykiss*)	96-h LC_{50}: > 130 mg/l
- Invertebrates	Daphnids (*Daphnia magna*)	48-h EC_{50}: > 130 mg/l
- Earthworms	*Eisenia fetida*	14-day LC_{50}: > 1000 mg/kg soil

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- Insects	Bees (*Apis mellifera*)	48-h LD_{50}, oral: > 112 µg/bee 48-h LD_{50}, contact: > 100 µg/bee

12.2. **Persistence and degradability** .... The active ingredients do not meet the criteria for being readily biodegradable. However, they are degraded in the environment. Degradation occurs both by chemical hydrolysis and by microbiological degradation.

Neither **thifensulfuron-methyl** nor **tribenuron-methyl** is persistent in the environment. Primary degradation half-lives vary from a few days to a few weeks in aerobic soil and water. Degradation products are not readily biodegradable and remain in soil for a few months.

12.3. **Bioaccumulative potential** ..... See section 9 for n-octanol/water partition coefficients.

Due to relatively high solubility in water, none of the active ingredients bioaccumulate. The bioconcentration factors (BCF) of thifensulfuron-methyl is approx. 1.

12.4. **Mobility in soil** ..... Under normal conditions the active ingredients are of high to intermediate mobility in soil. There is a potential for leaching to groundwater.

12.5. **Results of PBT and vPvB assessment** ..... None of the ingredients meets the criteria for being PBT or vPvB.

12.6. **Endocrine disrupting properties** None of the ingredients is known to have endocrine disrupting properties.

12.7. **Other adverse effects** ..... Other relevant hazardous effects in the environment are not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. **Waste treatment methods** ..... Remaining quantities of the material and empty but unclean packaging should be regarded as hazardous waste.

Disposal of waste and packagings must always be in accordance with all applicable local regulations.

Disposal of product ..... According to the Waste Framework Directive (2008/98/EC), possibilities for reuse or reprocessing should first be considered. If this is not possible, the material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing.

Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Disposal of packaging ..... It is recommended to consider possible ways of disposal in the following order:

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1. Reuse or recycling should first be considered. Reuse is prohibited except by the authorisation holder. If offered for recycling, containers must be emptied and triply rinsed (or equivalent). Do not discharge rinsing water to sewer systems.
2. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.
3. Delivery of the packaging to a licensed service for disposal of hazardous waste.
4. Disposal in a landfill or burning in open air should only occur as a last resort. For disposal in a landfill, containers should be emptied completely, rinsed and punctured to make them unusable for other purposes. If burned, stay out of smoke.

♣ SECTION 14: TRANSPORT INFORMATION

ADR/RID/IMDG/IATA/ICAO classification

14.1.	**UN number**	3077
14.2.	**UN proper shipping name**	Environmentally hazardous substance, solid, n.o.s. (thifensulfuron-methyl and tribenuron-methyl)
14.3.	**Transport hazard class(es)**	9
14.4.	**Packing group**	III
14.5.	**Environmental hazards**	Marine pollutant
14.6.	**Special precautions for user**	Avoid any unnecessary contact with the product. Misuse can result in damage to health. Do not discharge to the environment.
14.7.	**Maritime transport in bulk according to IMO instruments** ..	The product is not transported in bulk by ship.

SECTION 15: REGULATORY INFORMATION

15.1.	**Safety, health and environmental regulations/legislation specific for the substance or mixture**	Seveso category (Dir. 2012/18/EU): dangerous for the environment. All ingredients are covered by EU chemical legislation.
15.2.	**Chemical safety assessment**	A chemical safety assessment is not required to be included for this product.

♣ SECTION 16: OTHER INFORMATION

Relevant changes in the safety data sheet	Classification has been adapted to EU reg. 2020/1182.
List of abbreviations	AOEL Acceptable Operator Exposure Level CAS Chemical Abstracts Service

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Dir.	Directive
DNEL	Derived No Effect Level
EC	European Community
EC_{50}	50% Effect Concentration
E_rC_{50}	50% Effect Concentration based on growth
EFSA	European Food Safety Authority
EINECS	European INventory of Existing Commercial Chemical Substances
ELINCS	European LIst of Notified Chemical Substances
EPA OTS	Office of Technology Solutions, Environmental Protection Agency, US
Eye Irrit.	Eye Irritation
GHS	Globally Harmonized classification and labelling System of chemicals, seventh revised edition 2017
IMO	International Maritime Organisation
ISO	International Organisation for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	50% Lethal Concentration
LD_{50}	50% Lethal Dose
LOEL	Lowest Observed Effect Level
M-factor	Multiplication factor
NOEC	No Observed Effect Concentration
n.o.s.	Not otherwise specified
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative, Toxic
PNEC	Predicted No Effect Concentration
Reg.	Registration, or Regulation
SG	Water Soluble Granules
Skin Irrit.	Skin Irritation
STOT	Specific Target Organ Toxicity
STOT SE	Specific Target Organ Toxicity by Single Exposure
TWA	Time Weighted Average
vPvB	very Persistent, very Bioaccumulative
WHO	World Health Organisation

References ..... Data measured on this and a similar product are unpublished company data. Data on ingredients are available from published literature and can be found several places.

Method for classification ..... Specific target organ toxicity – repeated exposure: calculation rules
Hazards to the aquatic environment: test data

Used hazard statements .....

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

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H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains tribenuron-methyl. May produce an allergic reaction.
EUH401	To avoid risks to human health and the environment, comply with the instructions of use.

Advice on training ..... This material should only be used by persons who are made aware of its hazardous properties and have been instructed in the required safety precautions.

The information provided in this safety data sheet is believed to be accurate and reliable, but uses of the product vary and situations unforeseen by FMC Corporation may exist. The user has to check the validity of the information under local circumstances.

Prepared by FMC Agricultural Solutions A/S / GHB