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Product name	<b>Counter SX DPX-JMQ48 50 SG</b>	March 2018
Safety data sheet according to EU Reg. 1907/2006 as amended		Supersedes February 2018

## SAFETY DATA SHEET

# COUNTER SX DPX-JMQ48 50 SG

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

<b>♣ SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</b>
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- 1.1. **Product identifier** ..... **COUNTER SX  
DPX-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** **CHEMINOVA A/S**, a subsidiary of FMC Corporation  
 Thyborønvej 78  
 DK-7673 Harboøre  
 Denmark  
[SDS.Ronland@fmc.com](mailto:SDS.Ronland@fmc.com)
- 1.4. **Emergency telephone number**
- Medical emergencies:
- |  |   |
|--|---|
| Austria: +43 1 406 43 43                             | Norway: +47 22 591300   |
| Belgium: +32 70 245 245                              | Poland: +48 22 619 66 54<br>+48 22 619 08 97                    |
| Bulgaria: +359 2 9154 409                            | Portugal: 808 250 143 (in Portugal only)<br>+351 21 330 3284    |
| Cyprus: 1401   | Romania: +40 21318 3606   |
| Czech Republic: +420 224 919 293<br>+420 224 915 402 | Slovakia: +421 2 54 77 4 166                                    |
| Denmark: +45 82 12 12 12                             | Slovenia: +386 41 650 500                                       |
| France: +33 (0) 1 45 42 59 59                        | South Africa: +27 83 123 3911 (Bateleur Emergency Response Co.) |
| Finland: +358 9 471 977                              | Spain: +34 91 562 04 20   |
| Greece: 30 210 77 93 777                             | Sweden: +46 08-331231<br>112                                    |
| Hungary: +36 80 20 11 99                             | Switzerland: 145  |
| Ireland (Republic): +353 1 809 2166                  | Turkey: 114   |
| Italy: +39 02 6610 1029                              | United Kingdom: 111   |
| Lithuania: +370 523 62052<br>+370 687 53378          | U.S.A. & Canada: +1 800 / 331-3148 (ProPharma)                  |
| Luxembourg: +352 8002 5500                           | All other countries: +1 651 / 632-6793 (ProPharma - Collect)    |
| Netherlands: +31 30 274 88 88                        |   |

For fire, leak, spill or other accident emergencies:

U.S.A.: +1 800 / 424 9300 (CHEMTREC)  
 All other countries: +1 703 / 527 3887 (CHEMTREC - Collect)

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## ♣ SECTION 2: HAZARDS IDENTIFICATION

- 2.1. **Classification of the substance or mixture** 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 is not expected to cause severe adverse effects to health.
- 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 ..... COUNTER SX (DPX-JMQ48 50 SG)
- Hazard pictogram (GHS09) .....
- 
- Signal word ..... Warning
- Hazard statement  
 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  
 P273 ..... Avoid release to the environment.  
 P391 ..... Collect spillage.  
 P501 ..... Dispose of contents/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.
- 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

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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 ..... 387.4  
 Classification of the ingredient ..... Hazards to the aquatic environment, acute: Category 1 (H400)  
 chronic: Category 1 (H410)

**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 30<sup>th</sup> amendment to Dir. 67/548/EEC: 613-265-00-3  
 In 1<sup>st</sup> amendment to Reg. 1272/2008: 607-177-00-9  
 Molecular weight ..... 395.4  
 Classification of the ingredient ..... Skin sensitisation: Category 1B (H317)  
 Hazards to the aquatic environment, acute: Category 1 (H400)  
 chronic: Category 1 (H410)

<u>Reportable ingredient</u>	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)
Phosphoric acid, trisodium salt, dodecahydrate Reg. no. 01-2119489800-32	1 - 5	10101-89-0	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 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 persists.

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Ingestion ..... Inducing vomiting is not recommended. Rinse mouth and drink water or milk. If vomiting does occur, 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.

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  
 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.

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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 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.

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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<sup>3</sup> (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  
 EFSA has established an AOEL of 0.07 mg/kg bw/day  
 PNEC, aquatic environment ..... Insufficient data available

**Tribenuron-methyl**

DNEL ..... Not established  
 EFSA has established an AOEL of 0.05 mg/kg bw/day  
 PNEC, aquatic environment ..... 0.1 µg/l

**Sodium carbonate**

DNEL, inhalation ..... 10 mg/m<sup>3</sup>  
 PNEC, aquatic environment ..... No data available

**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.

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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, nitrile rubber or viton. 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.

## ♣ SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on physical and chemical properties

Appearance .....	Light brown solid (granular)
Odour .....	Slight
Odour threshold .....	Not determined
pH .....	10 g/l dispersion in water: 8.6 at 20°C
Melting point .....	<b>Thifensulfuron-methyl</b> : 173°C; decomposes <b>Tribenuron-methyl</b> : 141°C
Initial boiling point and boiling range	Decomposes
Flash point .....	Not determined
Evaporation rate .....	Not determined
Flammability (solid/gas) .....	Not highly flammable
Upper/lower flammability or explosive limits .....	Not determined
Vapour pressure .....	<b>Thifensulfuron-methyl</b> : 7.5 x 10 <sup>-9</sup> Pa at 20°C 1.7 x 10 <sup>-8</sup> Pa at 25°C

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Vapour density .....	<b>Tribenuron-methyl</b> : 5.33 x 10 <sup>-7</sup> Pa at 25°C Not determined
Relative density .....	Not determined
Solubility(ies) .....	Bulk density, packed: ca. 0.688 g/cm <sup>3</sup> Solubility of <b>thifensulfuron-methyl</b> 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 <b>tribenuron-methyl</b> in: acetone 43.8 g/l hexane 0.028 g/l water 28 mg/l at pH 4 and 25°C 50 mg/l at pH 5 and 25°C 280 mg/l at pH 6 and 25°C 2040 mg/l at pH 7 and 20°C
Partition coefficient n-octanol/water	<b>Thifensulfuron-methyl</b> : log K <sub>ow</sub> = -1.7 at pH 7 and 25°C <b>Tribenuron-methyl</b> : log K <sub>ow</sub> = 2.3 at pH 1.5 log K <sub>ow</sub> = 2.25 at pH 4.0 log K <sub>ow</sub> = 2.0 at pH 5.0 log K <sub>ow</sub> = 1.25 at pH 6.0 log K <sub>ow</sub> = -0.44 at pH 7.0
Autoignition temperature .....	Not determined
Decomposition temperature .....	<b>Thifensulfuron-methyl</b> : 173°C <b>Tribenuron-methyl</b> : approx. 175°C
Viscosity .....	Not determined
Explosive properties .....	Not explosive
Oxidising properties .....	Not oxidising
<b>9.2. Other information</b>	
Miscibility .....	The product is dispersible in water.
Minimum ignition energy .....	> 1000 mJ

<b>♣ SECTION 10: STABILITY AND REACTIVITY</b>
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10.1. <b>Reactivity</b> .....	To our knowledge, the product has no special reactivities.
10.2. <b>Chemical stability</b> .....	The product is stable during normal handling and storage at ambient temperatures.
10.3. <b>Possibility of hazardous reactions</b>	None known.
10.4. <b>Conditions to avoid</b> .....	Heating of the product may evolve harmful and irritant vapours.
10.5. <b>Incompatible materials</b> .....	None known.
10.6. <b>Hazardous decomposition products</b>	See subsection 5.2.

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## ♣ SECTION 11: TOXICOLOGICAL INFORMATION

11.1. **Information on toxicological effects** \* = 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 <sub>50</sub> , oral, rat: > 5000 mg/kg
- skin	LD <sub>50</sub> , dermal, rat: > 5000 mg/kg (method OECD 402)
- inhalation	LC <sub>50</sub> , 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. *
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. *
Symptoms and effects, 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 case of massive exposure.

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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  
                               - skin  
                               - inhalation

LD<sub>50</sub>, oral, rat: > 5000 mg/kg (method OECD 423)  
 LD<sub>50</sub>, dermal, rat: > 2000 mg/kg (method OECD 402)  
 LC<sub>50</sub>, 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  
                               - skin  
                               - inhalation

LD<sub>50</sub>, oral, rat: > 5000 mg/kg (method OECD 425)  
 LD<sub>50</sub>, dermal, rat: > 5000 mg/kg (method OECD 402)  
 LC<sub>50</sub>, 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).

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 ingestion, inhalation or in contact with skin. \*

Route(s) of entry     - ingestion

LD<sub>50</sub>, oral, rat: 2800 mg/kg

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- skin	LD <sub>50</sub> , dermal, rabbit: > 2000 mg/kg
- inhalation	LC <sub>50</sub> , inhalation, rat: not available
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. *

## ♣ 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 ( <i>Pseudokirchneriella subcapitata</i> ) ...	72-h E <sub>r</sub> C <sub>50</sub> : > 0.400 mg/l
- Plants	Duckweed ( <i>Lemna gibba</i> ) .....	7-day EC <sub>50</sub> : 2.2 µg/l

The following was measured on a similar product:

- Fish	Rainbow trout ( <i>Oncorhynchus mykiss</i> ) .....	96-h LC <sub>50</sub> : > 130 mg/l
- Invertebrates	Daphnids ( <i>Daphnia magna</i> ) .....	48-h EC <sub>50</sub> : > 130 mg/l
- Earthworms	<i>Eisenia fetida</i> .....	14-day LC <sub>50</sub> : > 1000 mg/kg soil
- Insects	Bees ( <i>Apis mellifera</i> ) .....	48-h LD <sub>50</sub> , oral: > 112 µg/bee 48-h LD <sub>50</sub> , 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

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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. **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 product ..... 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 feasible, the material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing.
- Disposal of packaging ..... 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:  
 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

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- 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. **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code** ..... 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 ..... Minor corrections only.
- List of abbreviations .....
- |                                |  |
|--------------------------------|--|
| AOEL                           | Acceptable Operator Exposure Level   |
| CAS                            | Chemical Abstracts Service   |
| Dir.                           | Directive  |
| DNEL                           | Derived No Effect Level  |
| EC                             | European Community   |
| EC <sub>50</sub>               | 50% Effect Concentration   |
| E <sub>r</sub> C <sub>50</sub> | 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  |
| GHS                            | Globally Harmonized classification and labelling System of chemicals, Fifth revised edition 2013 |
| IBC                            | International Bulk Chemical code   |
| ISO                            | International Organisation for Standardization   |
| IUPAC                          | International Union of Pure and Applied Chemistry  |
| LC <sub>50</sub>               | 50% Lethal Concentration   |
| LD <sub>50</sub>               | 50% Lethal Dose  |
| LOEL                           | Lowest Observed Effect Level   |
| MARPOL                         | Set of rules from the International Maritime Organisation (IMO) for prevention of sea pollution  |
| NOEC                           | No Observed Effect Concentration   |
| n.o.s.                         | Not otherwise specified  |
| OECD                           | Organisation for Economic Cooperation and Development  |

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PBT Persistent, Bioaccumulative, Toxic  
 PNEC Predicted No Effect Concentration  
 Reg. Regulation  
 SG Water Soluble Granules  
 STOT Specific Target Organ Toxicity  
 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 ..... 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.  
 H400 Very toxic to aquatic life.  
 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 Corporation / Cheminova A/S / GHB