

SAFETY DATA SHEET



HARMONY® XP

Version 1.0

Revision Date 03.01.2018

Document no. 130000000392

This SDS adheres to the standards and regulatory requirements of Australia and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : HARMONY® XP

Other names : DPX-M6316 75WG Paste Extruded
B11484503

Recommended use of the chemical and restriction on use

No information available.

Manufacturer, importer, supplier

Company : FMC Australasia Pty Ltd
Street address : Building B' Level 2, 12 Julius Avenue,
NORTH RYDE, NSW 2113
Australia

Telephone : (02) 9923 6111
Telefax : (02) 9923 6011

Emergency telephone number : (02) 9923 6275 (Transport Emergency)
(24 hr Emergency Medical Information: 1800 674 415)

2. HAZARDS IDENTIFICATION

Product hazard classification

Acute aquatic toxicity : Category 1
Chronic aquatic toxicity : Category 1

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

Label content

Pictogram :



Signal word : Warning

Hazardous warnings : Very toxic to aquatic life with long lasting effects.

Precautionary statements : Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Components

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Chemical Name	CAS-No.	Concentration
Thifensulfuron methyl	79277-27-3	75 %
Kaolin	1332-58-7	10 - 15%
Other Ingredients		10 - 15%

4. FIRST AID MEASURES

Never give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If poisoning occurs, contact a doctor or Poisons Information Centre. In Australia 13 11 26.

Inhalation	: Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary.
Skin contact	: Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.
Eye contact	: Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.
Ingestion	: Obtain medical attention. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is conscious: Rinse mouth with water.
Most important symptoms/effects, acute and delayed	: No information available.
Protection of first-aiders	: No information available.
Notes to physician	: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water spray, Dry chemical, Foam, Carbon dioxide (CO2)
Unsuitable extinguishing media	: High volume water jet, (contamination risk)
Specific hazards	: No information available.
Special protective equipment for firefighters	: Wear full protective clothing and self-contained breathing apparatus.
Specific extinguishing methods	: No information available.
Further information	: Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.

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Hazchem Code : 2Z

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Control access to area. Keep people away from and upwind of spill/leak. Avoid dust formation. Avoid breathing dust. Use personal protective equipment.
- Environmental precautions** : Prevent further leakage or spillage if safe to do so. Use appropriate container to avoid environmental contamination. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. If the spill area is porous, the contaminated material must be collected for subsequent treatment or disposal. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up** : Clean-up methods - small spillage Sweep up or vacuum up spillage and collect in suitable container for disposal.
Clean-up methods - large spillage Avoid dust formation. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13). Evaporates. If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up.
- Additional advice** : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Handling

- Technical measures/Precautions** : Use only according to our recommendations. Use only clean equipment. Avoid contact with skin, eyes and clothing. Do not breathe dust or spray mist. Wear personal protective equipment. For personal protection see section 8. Prepare the working solution as given on the label(s) and/or the user instructions. Use prepared working solution as soon as possible - Do not store. Provide appropriate exhaust ventilation at places where dust is formed. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Avoid exceeding the given occupational exposure limits (see section 8).

- Precautions for safe handling** : Keep away from heat and sources of ignition. Avoid dust formation in confined areas. During processing, dust may form explosive mixture in air.

Storage

- Suitable storage conditions** : Store in original container. Keep in properly labelled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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Chemical Name	Occupational Exposure Limits	Regulation
Kaolin		
TWA	10 mg/m3 (Inhalable dust.) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.	AU NOEL (12 2011)
TWA	2 mg/m3 (Respirable fraction.) The value is for particulate matter containing no asbestos and <1% crystalline silica.	US ACGIH (2011)

Engineering measures : Ensure adequate ventilation, especially in confined areas.

Biological occupational exposure limits : No information available.

Personal protective equipment

Respiratory protection : None specified.

Hand protection : None specified.

Eye protection : None specified.

Skin protection : When opening the container, preparing spray and using the prepared spray, Wear cotton overalls buttoned to neck and wrist, and a washable hat.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing. Keep working clothes separately. Contaminated work clothing should not be allowed out of the workplace. Wash hands and face before breaks and immediately after handling the product. When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. For environmental protection remove and wash all contaminated protective equipment before re-use. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Dispose of rinse water in accordance with local and national regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance (Physical state, form, colour, etc.)**

Physical state : solid
Form : No information available.
Colour : No information available.

Odour : No information available.

Odour Threshold : no data available

pH : No information available.

Melting point/freezing point

Melting point/range : no data available

Initial boiling point and boiling range

Boiling point/boiling range : Not applicable

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Flash point	: No information available.
Evaporation rate	: no data available
Flammability (solid, gas)	: No information available.
Upper/lower flammability or explosive limits	
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Vapour density	: No information available.
Density	
Density	: no data available
Specific gravity (Relative density)	: no data available
Solubility(ies)	
Water solubility	: dispersible
Partition coefficient: n- octanol/water	: Not applicable
Auto-ignition temperature	
Auto-ignition temperature	: no data available
Decomposition temperature	: no data available
Viscosity	
Viscosity, kinematic	: Not applicable
Molecular weight	: No information available.
Other data	
Phys-chem data	: No other data to be specially mentioned.

10. STABILITY AND REACTIVITY

Reactivity	: No information available.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use. Polymerization will not occur.
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Under severe dusting conditions, this material may form explosive mixtures in air.
Materials to avoid	: No information available.
Hazardous decomposition products	: No information available.

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11. TOXICOLOGICAL INFORMATION**Acute toxicity****Oral**

Thifensulfuron methyl : LD50/Rat: > 5,000 mg/kg

Kaolin : LD50/Rat: > 5,000 mg/kg

Inhalation

Thifensulfuron methyl : LC50/4 h/Rat(dust/mist): > 7.9 mg/l

Dermal

Thifensulfuron methyl : LD50/Rabbit: > 2,000 mg/kg

Kaolin : LD50/Rat: > 5,000 mg/kg

Skin corrosion/irritation

Thifensulfuron methyl : Species: Rabbit
Result: No skin irritation
Classification: No skin irritation

Kaolin : Species: Rabbit
Result: No skin irritation
Classification: Not classified as irritant

Serious eye damage/eye irritation

Thifensulfuron methyl : Species: Rabbit
Result: No eye irritation
Classification: No eye irritation

Kaolin : Species: Rabbit
Result: No eye irritation
Classification: Not classified as irritant

Respiratory or skin sensitisation

Thifensulfuron methyl : Maximisation Test (GPMT)
Species: Guinea pig
Result: Does not cause skin sensitisation.
Classification: Not a skin sensitizer.

Kaolin : Species: Guinea pig
Result: Does not cause skin sensitisation.
Classification: Does not cause skin sensitisation.

Germ cell mutagenicity

Thifensulfuron methyl : Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.

Kaolin : Animal testing did not show any mutagenic effects. Evidence suggests this substance does not cause genetic damage in cultured mammalian cells.

Carcinogenicity

Thifensulfuron methyl : Animal testing did not show any carcinogenic effects.

Kaolin : Animal testing did not show any carcinogenic effects.

Reproductive toxicity

Thifensulfuron methyl : Reproductive toxicity: No toxicity to reproduction
Animal testing showed no reproductive toxicity.
Teratogenicity: Did not show teratogenic effects in animal experiments.
Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

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Kaolin : Reproductive toxicity: No toxicity to reproduction
Evidence suggests the substance is not a reproductive toxin in animals.
Teratogenicity: Evidence suggests the substance is not a developmental toxin in animals.

Specific Target Organ Toxicity

Specific target organ toxicity - single exposure

Thifensulfuron methyl : The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity - repeated exposure

Thifensulfuron methyl : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

Thifensulfuron methyl : No aspiration toxicity classification
Kaolin : No aspiration toxicity classification

Other

HARMONY® XP : The toxicological data has been taken from products of similar composition.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Acute and prolonged toxicity to fish

Thifensulfuron methyl : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 100 mg/l
Kaolin : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 4,887 mg/l

Toxicity to aquatic plants

Thifensulfuron methyl : EC50/14 d/Lemna minor (duckweed): 0.0013 mg/l

Acute toxicity to aquatic invertebrates

Thifensulfuron methyl : EC50/48 h/Daphnia magna (Water flea): 470 mg/l

Chronic toxicity to aquatic Invertebrates

Thifensulfuron methyl : NOEC/28 d/Americamysis bahia (mysid shrimp): 7.93 mg/l

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

HARMONY® XP : Information given is based on data on the components and the ecotoxicology of similar products.

13. DISPOSAL CONSIDERATIONS

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Waste disposal methods : In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION

ADG

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Class : 9
Packing group : III
Hazchem Code : 2Z

IMDG

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Thifensulfuron-methyl)
Class : 9
Packing group : III
Marine pollutant : yes

IATA

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Thifensulfuron-methyl)
Class : 9
Packing group : III

Matters needing attention for transportation : Not dangerous goods under ADG code when being transported in IBCs or other receptacles < 500 kg (Special Provision AU01). Marine Pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code and IATA special provision A197.

15. REGULATORY INFORMATION

SUSMP: No poison schedule number allocated

16. OTHER INFORMATION

References

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Significant change from previous version is denoted with a double bar.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.