

Safety data sheet

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BASF Safety data sheet

Date / Revised: 09.01.2017

Product: **STOMP XTRA HERBICIDE**

Version: 4.0

(30645367/SDS_CPA_AU/EN)

Date of print 10.01.2017

1. Substance/preparation and manufacturer/supplier identification

STOMP XTRA HERBICIDE

Use: crop protection product, herbicide

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)

Level 12, 28 Freshwater Place Southbank

Victoria 3006, AUSTRALIA

Telephone: +61 3 8855-6600

Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]

BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 3

Skin sensitization: Cat. 1B

Hazardous to the aquatic environment - acute: Cat. 2

Hazardous to the aquatic environment - chronic: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:

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Warning

Hazard Statement:

Causes mild skin irritation. May cause an allergic skin reaction. Toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

Wear protective gloves. Avoid release to the environment. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Wash with plenty of soap and water. Collect spillage. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

Precautionary Statements (Disposal):

Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/information on ingredients

Chemical nature

herbicide, capsule suspension (CS)

Hazardous ingredients

pendimethalin

Content (W/W): 38.7 %
 CAS Number: 40487-42-1

Acute Tox.: Cat. 5 (oral)
 Skin Sens.: Cat. 1B
 Aquatic Acute: Cat. 1
 Aquatic Chronic: Cat. 1

| Isocyanic acid, polymethylenepolyphenylene ester (P-MDI)

Content (W/W): < 0.001 %
 CAS Number: 9016-87-9

| Diphenylmethane-4,4'-diisocyanate (MDI)

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Content (W/W): < 0.001 %
CAS Number: 101-68-8

Acute Tox.: Cat. 4 (Inhalation - mist)
Skin Corr./Irrit.: Cat. 2
Eye Dam./Irrit.: Cat. 2B
Resp. Sens.: Cat. 1
Skin Sens.: Cat. 1B
Carc.: Cat. 2
STOT SE: Cat. 3 (irr. to respiratory syst.)
STOT RE (Respiratory system): Cat. 2 (by inhalation)

| methylenediphenyl diisocyanate

Content (W/W): < 0.001 %
CAS Number: 26447-40-5

Acute Tox.: Cat. 4 (Inhalation - mist)
Skin Corr./Irrit.: Cat. 2
Eye Dam./Irrit.: Cat. 2B
Resp. Sens.: Cat. 1
Skin Sens.: Cat. 1B
Carc.: Cat. 2
STOT SE: Cat. 3 (irr. to respiratory syst.)
STOT RE (Respiratory system): Cat. 2

4. First-Aid Measures

General advice:
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:
Wash thoroughly with soap and water.

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:
Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Note to physician:
Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, foam, dry powder, carbon dioxide

Specific hazards:
carbon monoxide, carbon dioxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

6. Accidental Release Measures

Personal precautions:

Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and Storage

Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

Protect from temperatures below: -5 °C

Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. Exposure controls and personal protection

Components with occupational exposure limits

Diphenylmethane-4,4'-diisocyanate (MDI), 101-68-8;	STEL value 0.07 mg/m ³ (OEL (AU)) TWA value 0.02 mg/m ³ (OEL (AU)) TWA value 0.02 mg/m ³ (AU NOEL) STEL value 0.07 mg/m ³ (AU NOEL) STEL value 0.07 mg/m ³ (AU NOEL) TWA value 0.02 mg/m ³ (AU NOEL) TWA value 0.005 ppm (ACGIHTLV)
Isocyanic acid, polymethylenepolyphenylene ester (P-MDI), 9016-87-9;	STEL value 0.07 mg/m ³ (OEL (AU)) Measured as: NCO TWA value 0.02 mg/m ³ (OEL (AU)) Measured as: NCO TWA value 0.02 mg/m ³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries. STEL value 0.07 mg/m ³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries.
methylenediphenyl diisocyanate, 26447-40-5;	TWA value 0.02 mg/m ³ (OEL (AU)) Measured as: NCO STEL value 0.07 mg/m ³ (OEL (AU)) Measured as: NCO STEL value 0.07 mg/m ³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries. TWA value 0.02 mg/m ³ (AU NOEL) Measured as: NCO Advisory carcinogen category: See individual entries.

Personal protective equipment

Respiratory protection:
Respiratory protection not required.

Hand protection:
PVC-coated gloves

Eye protection:
Eye protection not required.

Body protection:
Standard work clothes and shoes.

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Wash contaminated clothing before reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Before eating, drinking, or smoking, wash face and hands with soap and water.

9. Physical and Chemical Properties

Form:	suspension
Colour:	yellow to brown
Odour:	faint odour, nutty
Odour threshold:	Not determined due to potential health hazard by inhalation.
pH value:	approx. 7 - 9 (21 °C) (measured with the undiluted substance)
Melting point:	approx. 0 °C Information applies to the solvent.
Boiling point:	approx. 100 °C Information applies to the solvent.
Flash point:	No flash point - Measurement made up to the boiling point.
Evaporation rate:	not applicable
Flammability (solid/gas):	not highly flammable
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Ignition temperature:	354 °C (DIN EN 14522)
Thermal decomposition:	Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.
	235 °C , 900 kJ/kg (onset temperature) (DSC (OECD 113))

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Explosion hazard: not explosive
Fire promoting properties: not fire-propagating

Vapour pressure: approx. 23 hPa
(20 °C)
Information applies to the solvent.

Density: approx. 1.18 g/cm³
(20 °C)

Relative vapour density (air):
not applicable

Solubility in water: dispersible
Partitioning coefficient n-octanol/water (log Pow):
not applicable

Viscosity, dynamic: 128 mPa.s (OECD 114)
(20 °C, 100 1/s)

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:
See MSDS section 7 - Handling and storage.

Thermal decomposition: Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.

Thermal decomposition: 235 °C, 900 kJ/kg (DSC (OECD 113))
(onset temperature)

Substances to avoid:
strong acids, strong bases, strong oxidizing agents

Hazardous reactions:
No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Experimental/calculated data:
LD50 rat (oral): > 5,000 mg/kg (OECD Guideline 401)

LC50 rat (by inhalation): > 5.23 mg/l 4 h (OECD Guideline 403)
No mortality was observed. An aerosol was tested.

LD50 rat (dermal): > 5,000 mg/kg (OECD Guideline 402)

Irritation

Assessment of irritating effects:
Not irritating to the eyes. Skin contact causes slight irritation.

Experimental/calculated data:
Skin corrosion/irritation rabbit: (OECD Guideline 404)

Serious eye damage/irritation rabbit: (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:
Sensitization after skin contact possible.

Experimental/calculated data:
Mouse Local Lymph Node Assay (LLNA) guinea pig: (OECD Guideline 406)

Germ cell mutagenicity

Assessment of mutagenicity:
The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: pendimethalin

Assessment of carcinogenicity:

In long-term studies in rats the substance induced thyroid tumors. The effect is caused by an animal specific mechanism that has no human counter part. In long-term studies in mice in which the substance was given by feed, a carcinogenic effect was not observed.

Reproductive toxicity

Assessment of reproduction toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: pendimethalin

Assessment of repeated dose toxicity:

No substance-specific organotoxicity was observed after repeated administration to animals. Adaptive effects were observed after repeated exposure in animal studies.

Aspiration hazard

No aspiration hazard expected.

The product has not been tested. The statement has been derived from the properties of the individual components.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Toxicity to fish:

LC50 (96 h) 20.36 mg/l, *Oncorhynchus mykiss* (OECD Guideline 203, static)

Aquatic invertebrates:

EC50 (48 h) > 100 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Aquatic plants:

EC50 (72 h) 1.49 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201)

No observed effect concentration (72 h) 0.035 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201)

EC50 (7 d) 19.25 mg/l (growth rate), *Lemna gibba* (OECD guideline 221)

No observed effect concentration (7 d) 1.0 mg/l (growth rate), *Lemna gibba* (OECD guideline 221)

Mobility

Assessment transport between environmental compartments:

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The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: pendimethalin

Assessment transport between environmental compartments:

The substance will slowly evaporate into the atmosphere from the water surface.

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: pendimethalin

Elimination information:

< 10 % CO₂ formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) Not readily biodegradable (by OECD criteria).

Bioaccumulation potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: pendimethalin

Bioaccumulation potential:

Bioconcentration factor: 5,100

Based on a weight of evidence, the compound will not bioaccumulate.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal Considerations

Must be sent to a suitable incineration plant, observing local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport:

Hazard class: 9

Packing group: III

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ID number: UN 3082
Hazard label: 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (contains PENDIMETHALIN)

Further information

Hazchem Code:3Z
IERG Number:47

Sea transport**IMDG**

Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (contains PENDIMETHALIN)

Air transport**IATA/ICAO**

Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (contains PENDIMETHALIN)

Further information

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packagings not exceeding 500 kg(L) or IBCs.

15. Regulatory Information**Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 5

Registration status:

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AICS, AU
APVMA Approval 52757

released w/o restriction f. BASF / not listed

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.