

**Express® SG Herbicide**

Version 1.0

Revision Date 03/01/2018

Ref. 130000012165

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

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Express® SG Herbicide  
Tradename/Synonym : B11646119  
DPX-L5300 50SG  
Tribenuron methyl 50SG  
Affinity 2 Herbicide  
Affinity 50 SG  
Granstar 50 SG  
Tribenuron methyl: Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]benzoate  
Express® SG MUP

SDS Number : 130000012165

Product Use : Herbicide  
Manufacturer : FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104  
(215) 299-6000 (General Information)  
msdsinfo@fmc.com (E-Mail General Information)

Medical Emergency : 1 800 / 331-3148 (ProPharma Group - U.S.A. & Canada)  
1 651 / 632-6793 (ProPharma Group - All Other Countries - Collect)  
For leak, fire, spill or accident emergencies, call:  
1 800 / 424 9300 (CHEMTREC - U.S.A.)  
1 703 / 741-5970 (CHEMTREC - International)  
1 703 / 527 3887 (CHEMTREC - Alternate)

**SECTION 2. HAZARDS IDENTIFICATION**

## Emergency Overview

## Caution

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes and clothing.

## Potential Health Effects

This section includes potential acute adverse effects which could occur if this material is not used according to the label.

## Skin

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Tribenuron methyl : May cause allergic skin reaction.

**Carcinogenicity**

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Tribenuron methyl	101200-48-0	50 %
Other Ingredients		50 %

**SECTION 4. FIRST AID MEASURES**

- Skin contact** : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- Eye contact** : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Inhalation** : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary. Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary. Call a poison control center or doctor for treatment advice.
- Ingestion** : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

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General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment. See Section 1 for emergency phone numbers. See Label for Additional Precautions and Directions for Use.

Notes to physician : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

## Flammable Properties

Flash point : Not applicable

Fire and Explosion Hazard : Not a fire or explosion hazard. Under severe dusting conditions, this material may form explosive mixtures in air.

Suitable extinguishing media : Water spray, Dry chemical, Foam, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet, (contamination risk)

Firefighting Instructions : Wear full protective clothing and self-contained breathing apparatus. (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.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel) : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.

Spill Cleanup : Sweep up and shovel into suitable containers for disposal.

Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

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**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Wash the outside of gloves before removing. Remove personal protective equipment immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.
- Handling (Physical Aspects) : Keep away from heat and sources of ignition.
- Storage : Store in original container. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place. Keep out of the reach of children.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Engineering controls : Use only with adequate ventilation.
- Personal protective equipment
  - Respiratory protection : No personal respiratory protective equipment normally required.
  - Skin and body protection : Applicators and other handlers must wear:
    - Long sleeved shirt and long pants
    - Shoes plus socks
    - Chemical resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride.
    - PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
      - Coveralls
      - Chemical resistant gloves made of any waterproof material
      - Shoes plus socks
  - Protective measures : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Notify workers of the application by warning them orally or by posting warning signs at entrances to treated areas.
- Exposure Guidelines
  - Exposure Limit Values
    - No data available

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: solid, granular
Color	: light brown
Odor	: mild
pH	: 8.4 - 9.4 at 10 g/l 20 °C (68 °F) (1% solution in water)
Oxidizing Substance	: The product is not oxidizing.
Bulk density	: 640 kg/m <sup>3</sup> packed
Water solubility	: soluble

**SECTION 10. STABILITY AND REACTIVITY**

Stability	: Stable at normal temperatures and storage conditions.
Conditions to avoid	: None reasonably foreseeable.
Incompatibility	: No materials to be especially mentioned.
Hazardous reactions	: Polymerization will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Express® SG herbicide	
Dermal LD50	: > 5,000 mg/kg , Rat
Oral LD50	: > 5,000 mg/kg , Rat
Skin irritation	: No skin irritation, Rabbit
Eye irritation	: No eye irritation, Rabbit
Sensitisation	: The product is a skin sensitiser, sub-category 1B., Guinea pig
Tribenuron methyl	
Inhalation 4 h LC50	: > 6.0 mg/l , Rat
Repeated dose toxicity	: The following effects occurred at levels of exposure that significantly

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exceed those expected under labeled usage conditions.

Oral - feed  
 Mouse  
 90 d  
 Reduced body weight gain

Oral  
 Rat  
 28 d  
 Reduced body weight gain

- Carcinogenicity** : Not classifiable as a human carcinogen.  
 An increased incidence of tumours was observed in laboratory animals.  
 Target(s):  
 Mammary glands
- Mutagenicity** : Animal testing did not show any mutagenic effects.  
 Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- Reproductive toxicity** : No toxicity to reproduction

**SECTION 12. ECOLOGICAL INFORMATION**
**Aquatic Toxicity**

Express® SG herbicide

- 96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 120 mg/l
- 72 h ErC50 : Pseudokirchneriella subcapitata (microalgae) > 0.080 mg/l
- 48 h EC50 : Daphnia (water flea) > 120 mg/l

- Additional ecological information** : Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

**SECTION 13. DISPOSAL CONSIDERATIONS**

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- Waste Disposal : Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
- Container disposal: : Container Refilling and Disposal:  
Refer to the product label for instructions.  
Do not transport if this container is damaged or leaking.

**SECTION 14. TRANSPORT INFORMATION**

- |        |                      |  |
|--------|----------------------|--|
| IATA_C | UN number            | : 3077   |
|        | Proper shipping name | : Environmentally hazardous substance, solid, n.o.s. (Tribenuron methyl) |
|        | Class                | : 9  |
|        | Packing group        | : III  |
|        | Labelling No.        | : 9MI  |
| IMDG   | UN number            | : 3077   |
|        | Proper shipping name | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tribenuron methyl) |
|        | Class                | : 9  |
|        | Packing group        | : III  |
|        | Labelling No.        | : 9  |

Not regulated as a hazardous material by TDG.

Marine Pollutants assigned UN number 3077 and 3082 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, IATA special provision A197, and ADR/RID special provision 375.

**SECTION 15. REGULATORY INFORMATION**

PCP Registration # : 28262

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Remarks : Regulated under the Pest Control Products Act - WHMIS exempt.

**SECTION 16. OTHER INFORMATION**

MSDS preparation date : 03/01/2018

® Registered trademark of FMC Corporation

Contact person : FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104  
(215) 299-6000 (General Information)  
msdsinfo@fmc.com (E-Mail General Information)

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