# Agsurf Corporation

### T-MIX™ XP Herbicide

Version 1.0

Revision Date: 09/16/2014 Ref. AGSURF0021

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

#### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : T-MIX™ XP Herbicide

Tradename/Synonym : T-MIX™ XP

DuPont DPX-JMQ48 75XP Herbicide

THIFENSULFURON METHYL: (Methyl 3-[[[(4-methoxy-6-methyl-1,3,5- triazin-

2-yl)amino]carbonyl]amino] sulfonyl]-2-thiophenecarboxylate)

TRIBENURON METHYL: (Methyl 2-[[[(4-methoxy-6-methyl-l,3,5-triazin-2-

yl)methylamino]carbonyl]- amino]sulfonyl] benzoate)

MSDS Number : AGSURF0021

Product Use : Herbicide

Manufacturer : Agsurf Corporation

1209 Orange Street Wilmington, DE 19801

Product Information : 1-888-261-1410 Medical Emergency : 1-888-261-1410

Transport Emergency : CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

### SECTION 2. HAZARDS IDENTIFICATION

**Emergency Overview** 

Caution

Avoid contact with skin, eyes and clothing.

Potential Health Effects

Skin

Thifensulfuron methyl : May cause skin irritation.

May cause: Irritation with discomfort or pain, redness or rash, itching or

swelling.

Tribenuron methyl : May cause allergic skin reaction.

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Eyes : Moderate eye irritation

Inhalation

Thifensulfuron methyl : May cause: Respiratory irritation, Discomfort, Cough.

Carcinogenicity

Material IARC NTP OSHA

Titanium dioxide 2B

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

Component	CAS-No.	Concentration
Thifensulfuron methyl	79277-27-3	60 %
Tribenuron methyl	101200-48-0	15 %
Other Ingredients		25 %

Present as an impurity in the clay component of this product:

Titanium Dioxide	<1 %

### **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.

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Eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Inhalation : No specific intervention is indicated as the compound is not likely to be

hazardous. Consult a physician if necessary.

Ingestion : No specific intervention is indicated as the compound is not likely to be

hazardous. Consult a physician if necessary.

General advice : Have the product container or label with you when calling a poison control

center or doctor, or going for treatment.

For medical emergencies involving this product, call toll free 1-888-261-1410.

See Label for Additional Precautions and Directions for Use.

#### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO2)

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 to safe areas. Ensure adequate ventilation. Keep people

away from and upwind of spill/leak. Wear suitable 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. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon

as possible, wash thoroughly and change into clean clothing.

Handling (Physical Aspects) : Keep away from heat and sources of ignition.

Storage : Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

Store in original container. Store in a cool, dry place. Keep out of the reach of

children.

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

Engineering controls : Ensure adequate ventilation. When handlers use closed systems, enclosed

cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified for "Applicators and Other Handlers" and have such PPE immediately available

for use in an emergency, such as a spill or equipment breakdown.

Personal protective equipment

Skin and body protection : Applicators and other handlers must wear:

Long sleeved shirt and long pants

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. Use this product in accordance with

its label.

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**Exposure Guidelines** 

Exposure Limit Values

Thifensulfuron methyl

AEL\* (AGSURF) 5 mg/m3 8 & 12 hr. TWA Total dust.

Tribenuron methyl

AEL \* (AGSURF) 0.5 mg/m3 12 hr. TWA

AEL \* (AGSURF) 1 mg/m3 8 hr. TWA

Titanium dioxide

Permissible (OSHA) 15 mg/m3 8 hr. TWA Total dust.

exposure limit:

TLV (ACGIH) 10 mg/m3 TWA

AEL \* (AGSURF) 10 mg/m3 8 & 12 hr. TWA Total dust.

AEL \* (AGSURF) 5 mg/m3 8 & 12 hr. TWA Respirable dust.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : granules
Color : light brown
Odor : none
pH : 5.1 - 6.2

Oxidising Substance : The product is not oxidizing.

Density : 0.6 - 0.7 g/cm3 Water solubility : dispersible

<sup>\*</sup> AEL is Agsurf's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

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### **SECTION 10. STABILITY AND REACTIVITY**

Stability : Stable at normal temperatures and storage conditions.

Conditions to avoid : None reasonably foreseeable.

Incompatibility : None reasonably foreseeable.

Hazardous reactions : Polymerization will not occur.

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

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Inhalation 4 h LC50 : > 5.3 mg/l, Rat

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

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

Skin irritation : Moderate skin irritation, Rat

Eye irritation : Moderate eye irritation, Rabbit

Sensitisation : Does not cause skin sensitisation., Guinea pig

Further information : Information given is based on data on the components.

Thifensulfuron methyl

Repeated dose toxicity : The following effects occurred at levels of exposure that significantly

exceed those expected under labeled usage conditions.

Oral - feed multiple species

Reduced body weight gain

Carcinogenicity : Animal testing did not show any carcinogenic effects.

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Animal testing did not show any mutagenic effects.

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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.

Tribenuron methyl

Repeated dose toxicity : The following effects occurred at levels of exposure that significantly

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

Titanium Dioxide

Carcinogenicity : Based upon all available study results, Agsurf scientists conclude

that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

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### **SECTION 12. ECOLOGICAL INFORMATION**

Aquatic Toxicity
Thifensulfuron methyl

96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 100 mg/l

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

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

Tribenuron methyl

96 h LC50 : Oncorhynchus mykiss (rainbow trout) 738 mg/l

120 h EC50 : Pseudokirchneriella subcapitata (microalgae) 0.0208 mg/l

14 d EC50 : Lemna gibba (duckweed) 0.00424 mg/l

48 h EC50 : Daphnia magna (Water flea) > 894 mg/l

Additional ecological information : Environmental Hazards: 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. Do not apply where/when conditions favour runoff. See product label for additional application instructions relating to environmental precautions. No data

is available on the product itself.

### **SECTION 13. DISPOSAL CONSIDERATIONS**

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.

In the event of a major spill, fire or other emergency, call 1-888-261-1410 day

or night.

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### SECTION 14. TRANSPORT INFORMATION

IATA\_C **UN** number : 3077

> Proper shipping name : Environmentally hazardous substance, solid, n.o.s.

> > (Thifensulfuron-methyl)

Class : 9 Packing group : 111 Labelling No. : 9MI UN number : 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

SOLID, N.O.S. (Thifensulfuron-methyl)

Class Packing group : 111 Labelling No. : 9

Marine pollutant : yes (Thifensulfuron-methyl)

### SECTION 15. REGULATORY INFORMATION

SARA 313 Regulated

Chemical(s)

: Tribenuron methyl

EPA Reg. No. : 352-899-85588

> In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at

a concentration of 1% or more (0.01% for Special Hazardous

Substances): Kaolin

### SECTION 16. OTHER INFORMATION

<sup>™</sup>Trademark of Agsurf Corporation

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Contact person : Agsurf Corporation, Wilmington, DE, 19801, Phone: 1-888-261-1410

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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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