

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : FEVER TNV  
Product code : 7969-448-89391

#### 1.2. Recommended use and restrictions on use

#### 1.3. Supplier

INNICTIS® CROP CARE, LLC  
1880 Fall River Drive, Suite 100  
Loveland, CO 80538  
T 855-466-8428

#### 1.4. Emergency telephone number

Emergency number : ChemTrec 1-800-424-9300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flammable liquids, Category 3	H226 Flammable liquid and vapour.
Acute toxicity (oral), Category 4	H302 Harmful if swallowed.
Acute toxicity (dermal), Category 4	H312 Harmful in contact with skin.
Acute toxicity (inhalation:dust,mist) Category 4	H332 Harmful if inhaled.
Specific target organ toxicity — Repeated exposure, Category 2	H373 May cause damage to organs through prolonged or repeated exposure.

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

H226 - Flammable liquid and vapour.  
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled  
H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS US) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/Bond container and receiving equipment  
P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 - If swallowed: Call a poison center/doctor/... if you feel unwell  
P302+P352 - If on skin: Wash with plenty of water/...  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P312 - Call a poison center/doctor/... if you feel unwell  
P314 - Get medical advice/attention if you feel unwell.

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P322 - Specific treatment (see ... on this label)  
P330 - Rinse mouth.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P370+P378 - In case of fire: Use media other than water to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
glufosinate ammonium	(CAS-No.) 77182-82-2	24.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 STOT RE 2, H373

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

### 4.2. Most important symptoms and effects (acute and delayed)

### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

### 5.2. Specific hazards arising from the chemical

### 5.3. Special protective equipment and precautions for fire-fighters

No additional information available

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

### 6.2. Environmental precautions

No additional information available

### 6.3. Methods and material for containment and cleaning up

### 6.4. Reference to other sections

No additional information available

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

#### 7.2. Conditions for safe storage, including any incompatibilities

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### FEVER TNV

No additional information available

##### glufosinate ammonium (77182-82-2)

No additional information available

#### 8.2. Appropriate engineering controls

#### 8.3. Individual protection measures/Personal protective equipment

No additional information available

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Red
Odour	: characteristic
Odour threshold	: No data available
pH	: 6 – 8
Melting point	: No data available
Freezing point	: 0 °C
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 9.59 lb/gal
Density	: 1.15 g/ml
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

#### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

No additional information available

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.  
Acute toxicity (dermal) : Harmful in contact with skin.  
Acute toxicity (inhalation) : Harmful if inhaled.

FEVER TNV	
LD50 oral rat	2000 mg/kg
LD50 dermal rat	2000 mg/kg
LC50 inhalation rat (mg/l)	2.1 mg/l/4h
ATE US (oral)	2000 mg/kg bodyweight
ATE US (dermal)	2000 mg/kg bodyweight
ATE US (vapours)	2.1 mg/l/4h
ATE US (dust,mist)	2.1 mg/l/4h

glufosinate ammonium (77182-82-2)	
LD50 oral rat	1620 mg/kg (Rat, Oral)
LD50 dermal rat	1380 mg/kg (Rat, Dermal)
LC50 inhalation rat (mg/l)	1.3 – 2.6 mg/l (4 h, Rat, Inhalation (dust))

Skin corrosion/irritation : Not classified  
pH: 6 – 8

Serious eye damage/irritation : Not classified  
pH: 6 – 8

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

glufosinate ammonium (77182-82-2)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

### SECTION 12: Ecological information

#### 12.1. Toxicity

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### glufosinate ammonium (77182-82-2)

LC50 fish 1	580 – 710 mg/l (96 h, Salmo gairdneri)
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#### 12.2. Persistence and degradability

### glufosinate ammonium (77182-82-2)

Persistence and degradability	Biodegradability in water: no data available.
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#### 12.3. Bioaccumulative potential

### glufosinate ammonium (77182-82-2)

Partition coefficient n-octanol/water (Log Pow)	-4.81 (Estimated value)
Bioaccumulative potential	Not bioaccumulative.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

#### 13.1. Disposal methods

No additional information available

## SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not applicable

#### Transportation of Dangerous Goods

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

## SECTION 15: Regulatory information

#### 15.1. US Federal regulations

### glufosinate ammonium (77182-82-2)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

#### FIFRA Labelling

EPA Registration Number	7969-448-89391
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This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

FIFRA Signal Word	<b>Warning</b>
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FIFRA Precautionary Statement	Call a doctor if you feel unwell. Keep out of reach of children.
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FIFRA Human Health Hazards	WARNING. Causes substantial but temporary eye injury. Harmful if absorbed through skin. Harmful if swallowed. DO NOT get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before use.
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FIFRA Labelling	
FIFRA First Aid	<p>If in eyes • Hold eye open and rinse slowly and gently with water for 15-20 minutes.</p> <ul style="list-style-type: none"><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Get medical attention if irritation develops or persists.</li></ul> <p>If on skin • Take off contaminated clothing.</p> <ul style="list-style-type: none"><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul> <p>If swallowed • Call a poison control center or doctor immediately for treatment advice.</p> <ul style="list-style-type: none"><li>• Have person sip a glass of water if able to swallow.</li><li>• DO NOT induce vomiting unless told to do so by the poison control center or doctor.</li><li>• DO NOT give anything by mouth to an unconscious person.</li></ul>
FIFRA Environmental Hazards	<p>DO NOT apply directly to water or to areas where surface water is present. DO NOT apply to intertidal areas below the mean high water mark. DO NOT contaminate water by cleaning of equipment or disposal of equipment wash waters or rinsate.</p> <p>This pesticide is toxic to vascular plants and should be used strictly in accordance with the drift and run-off precautions on this label in order to minimize off-site exposures.</p> <p>Under some conditions, this product may have a potential to run-off to surface water or adjacent land. Where possible, use methods which reduce soil erosion, such as no till, limited till and contour plowing; these methods also reduce pesticide run-off. Use of vegetation filter strips along rivers, creeks, streams, wetlands, etc. or on the downhill side of fields where run-off could occur to minimize water runoff is recommended.</p>

### 15.2. International regulations

#### CANADA

##### glufosinate ammonium (77182-82-2)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

##### FEVER TNV

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use. PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION: Causes moderate eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequent repeated skin contact while handling the material may cause allergic reaction in some individuals.

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-statements:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*