

## SECTION 1 - Identification

### 1.1 Identification

Product form : Mixture  
Product name : XPEL FUSION PLUS MARINE  
Product code : R1370 & R1370-L

### 1.2 Recommended use and restrictions on use

Surface protectant / surfacant

### 1.3 Supplier

XPEL, Inc.  
3251 I-35  
San Antonio, TX, 78219  
T: +1 210-678-3700

### 1.4 Emergency telephone number

Emergency Number : +1 800-535-5053 (INFOTRAC)  
: +1 352-323-3500 (INFOTRAC International)

## SECTION 2 - Hazard(s) identification



### 2.1 Classification of the substance or mixture

#### GHS-US classification

Flam. Liq. 3  
Acute Tox. 4 (Oral)  
Acute Tox. 4 (Dermal)  
STOT SE 3

### 2.2 GHS Label elements, including precautionary statements

#### GHS-US labeling

Hazard pictograms (GHS-US) :  

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : Flammable liquid and vapor  
May be fatal if swallowed and enters airways  
Causes serious eye irritation

Precautionary statements (GHS-US) : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground/Bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash hands, forearms and face thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If swallowed: Call a poison center or doctor if you feel unwell.  
Rinse mouth.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Call a poison center or doctor if you feel unwell.  
Wash contaminated clothing before reuse.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3 Other hazard which do not result in classification

No additional information available

### 2.4 Unknown acute toxicity (GHS US)

20% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
20% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

## SECTION 3 - Composition/Information on ingredients

### 3.1 Substances

Not applicable

### SECTION 3 - Composition/Information on ingredients

#### 3.2 Mixtures

Name	CAS Number	Concentration	GHS-US Classification
tert-Butyl acetate	540-88-5	> 30 - 60 %	
Benzene, 1-chloro-4-(trifluoromethyl)	98-56-6	> 10 - 40 %	
Ambient curable resin	Proprietary	> 10 - 40 %	

### SECTION 4 - First-aid measures

#### 4.1 Description of first-aid measures

First-aid measures after inhalation	: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash clothing before re-using. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Harmful in contact with skin. May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea..

#### 4.3 Immediate medical attention and special treatments, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### SECTION 5 - Fire-fighting measures

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

Suitable extinguishing media	: Carbon dioxide (CO2), dry chemical powder, foam.
Unsuitable extinguishing media	: None known.

#### 5.2 Specific hazard arising from the chemical

Fire hazard	: Flammable liquid and vapor. Products of combustion may include, and are not limited to: oxides of carbon.
Explosion hazard	: May form flammable/explosive vapor-air mixture.

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

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
--------------------------------	--

### SECTION 6 - Accidental release measures

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

General Measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.
6.1.1. For non-emergency personnel	: No additional information available
6.1.2. For emergency responders	: No additional information available

#### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment. Collect spillage.

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

For containment	: Stop leak if safe to do so. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

#### 6.4 Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7 - Handling and storage

### 7.1 Precautions for safe handling

Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Use explosion-proof electrical/ventilating/lighting equipment. Wear personal protective equipment.
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.

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

Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Keep out of the reach of children. Keep cool. Keep container tightly closed and in a wellventilated place. Store locked up.

## SECTION 8 - Exposure controls/personal protection

### 8.1 Control parameters

FUSION PLUS MARINE	: No additional information available
tert-Butyl acetate (540-88-5)	
Local name	tert-Butyl acetate
ACGIH TWA (ppm)	50 ppm (Butyl acetates, all isomers)
ACGIH STEL (ppm)	150 ppm (Butyl acetates, all isomers)
Remark (ACGIH)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2020

#### USA - OSHA - Occupational Exposure Limits

Local name	tert-Butyl acetate
OSHA PEL (TWA)	950 mg/m <sup>3</sup>
OSHA PEL (TWA) (ppm)	200 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

#### USA - IDLH - Occupational Exposure Limits

US IDLH (ppm)	1500 ppm (10% LEL)
---------------	--------------------

#### USA - NIOSH - Occupational Exposure Limits

NIOSH REL (TWA)	950 mg/m <sup>3</sup>
NIOSH REL (TWA) (ppm)	200 ppm

Benzene, 1-chloro-4-(trifluoromethyl)- : No additional information available  
(98-56-6)

Ambient curable resin (Proprietary) : No additional information available

### 8.2 Appropriate Engineering Controls

Appropriate Engineer Controls	: Ensure good ventilation of the work station
Environmental Exposure Controls	: Avoid release to the environment

## SECTION 8 - Exposure controls/personal protection

### 8.3 Individual protection measures/Personal protective equipment

Hand Protection	: Wear suitable gloves
Eye Protection	: Wear eye/face protection
Skin and Body Protection	: Wear suitable protective clothing
Respiratory Protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Other Information	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Physical state	: Liquid
Appearance	: Clear liquid
Color	: Clear liquid
Odor	: Aromatic
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 48 °C (118 °F)
Flash point	: 54 °C (129 °F)
Relative evaporation rate - (butyl acetate=1)	: < 1
Flammability (solid, gas)	: Flammable liquid and vapor.
Vapor pressure	: < 0.12 hPa
Relative vapor density at 20 °C	: No data available
Relative density	: 0.98 (60 °F)
Solubility	: Water: < 0.01
Log Pow	: No data available
Auto-ignition temperature	: 400 °C (752 °F)
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: 2.1 mm <sup>2</sup> /s
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

**9.2 Other information**

No additional information available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No dangerous reactions known under normal conditions of use.

**10.2 Chemical stability**

Stable under normal conditions. May form flammable/explosive vapor-air mixture.

**10.3 Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

**10.4 Conditions to avoid**

Heat. Incompatible materials. Sources of ignition. Direct sunlight.

**10.5 Incompatible materials**

Strong acids. strong bases. Strong oxidizers.

**10.6 Hazardous decomposition products**

May include, and are not limited to: oxides of carbon. May release flammable gases.

**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)	: Not classified

**FUSION PLUS MARINE**

ATE US (oral)	: 500 mg/kg body weight
ATE US (dermal)	: 1100 mg/kg body weight

**tert-Butyl acetate (540-88-5)**

LD50 oral rat	: 4100 mg/kg
LD50 dermal rabbit	: > 2000 mg/kg
LC50 inhalation rat	: > 9482 mg/m <sup>3</sup> (Exposure time: 4 h)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Benzene, 1-chloro-4-(trifluoromethyl)-  
(98-56-6)

LD50 oral rat : 13 g/kg  
LD50 dermal rabbit : > 2 ml/kg  
LC50 inhalation rat : 33 mg/l/4h

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

Benzene, 1-chloro-4-(trifluoromethyl)-  
(98-56-6)

National Toxicology Program (NTP) : Evidence of Carcinogenicity  
Status

Reproductive toxicity : Not classified  
STOT - single exposure : May cause respiratory irritation.

Benzene, 1-chloro-4-(trifluoromethyl)-  
(98-56-6)

STOT - single exposure : May cause respiratory irritation.

Hydrocarbons, C10-C12, isoalkanes  
(64742-48-9)

STOT - single exposure : May cause drowsiness or dizziness.

STOT - repeated exposure : Not classified  
Aspiration hazard : Not classified  
Viscosity, kinematic : 2.1 mm<sup>2</sup>/s

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.  
Symptoms/effects after skin contact : Harmful in contact with skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin.  
Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.  
Symptoms/effects after ingestion : Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea  
Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1 Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

tert-Butyl acetate (540-88-5)

LC50 fish 1 : 296 - 362 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

Benzene, 1-chloro-4-(trifluoromethyl)-  
(98-56-6)

LC50 fish 1 : 3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])  
EC50 Daphnia 1 : 3.68 mg/l (Exposure time: 48 h - Species: Daphnia magna)

### 12.2 Persistence and degradability

FUSION PLUS MARINE

Persistence and degradability : Not established

### 12.3 Bioaccumulative potential

FUSION PLUS

Bioaccumulative potential : Not established

tert-Butyl acetate (540-88-5)

Partition coefficient n-octanol/water : 1.38

Benzene, 1-chloro-4-(trifluoromethyl)-  
(98-56-6)

Partition coefficient n-octanol/water : 3.7 (at 25 °C)

## SECTION 12: Ecological information

### 12.4 Mobility in soil

No additional information available

### 12.5 Other adverse effects

Other information : No other effects known.

## SECTION 13: Disposal considerations

### 13.1 Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Additional information : Handle empty containers with care because residual vapors are flammable.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Proper Shipping Name (Dot) : Coating Solution  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Packing group (DOT) : III  
Hazard labels (DOT) :



### TDG

Not applicable

### Transport by sea

Transport document description (IMDG) : UN1139 Coating Solution III  
UN-No. (IMDG) : UN1139  
Proper Shipping Name (IMDG) : Coating Solution  
Packing group (IMDG) : III - substances presenting low danger

### Air transport

Transport document description (IATA) : UN1139 Coating Solution, 3, III  
UN-No. (IATA) : UN1139  
Proper Shipping Name (IATA) : Coating Solution  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : III - Minor Danger

## SECTION 15: Regulatory information

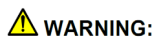
### 15.1 Disposal methods

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

### 15.2 International regulations

: No additional information available

### 15.3 US State regulations



#### WARNING:

This product can expose you to Benzene, 1-chloro-4-(trifluoromethyl)-, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Disclaimer: The information presented herein is believed to be factual. However, none of this information is to be taken as a warranty or representation for which XPEL, Inc., the manufacturer, or the preparer bears legal responsibility. The user should review any recommendation in the specific context of the intended use to determine whether it is appropriate.

This information is supplied in the SDS under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty or guaranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications. Be safe- read this product safety information and pass it on to all persons who may be exposed to this product. Federal law requires it. This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

SDS US (GHS HazCom 2012)