

## SECTION 1 - Identification

### 1.1 Identification

Product form : Mixture  
Product name : XPEL FUSION PLUS PAINT & PPF  
Product code : R1364

### 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  
Eye Irrit. 2a  
Asp. Tox. 1

### 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

Precautionary statements (GHS-US)

Causes serious eye irritation  
: 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.  
Wash hands, forearms and face thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If swallowed: Immediately call a poison center or doctor.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Do NOT induce vomiting.  
If eye irritation persists: Get medical advice/attention.  
In case of fire: Use media other than water to extinguish.  
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)

Not applicable

## 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
Naphtha, petroleum, hydrotreated heavy	64742-48-9	> 50 - 90%	
tert-Butyl acetate	540-88-5	> .1 - 5 %	
Benzene, 1-chloro-4-(trifluoromethyl)	98-56-6	> .1 - 3 %	
Ambient curable resin mixture	Proprietary	> 10 - 20 %	

### SECTION 4 - First-aid measures

#### 4.1 Description of first-aid measures

First-aid measures after inhalation	: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention 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. If skin irritation occurs: Get medical advice/attention.
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: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

#### 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	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May result in aspiration into the lungs, causing chemical pneumonia.

#### 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	: Products of combustion may include, and are not limited to: oxides of carbon. Flammable liquid and vapor.
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).
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### 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.

#### 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. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. 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. 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 PAINT & PPF	: No additional information available
Ambient curable resin mixture (Proprietary)	: No additional information available
Benzene, 1-chloro-4-(trifluoromethyl)- (98-56-6)	: No additional information available
tert-Butyl acetate (540-88-5)	: USA - ACGIH - Occupational Exposure Limits
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

#### USA - IDLH - Occupational Exposure Limits

Local name	tert-Butyl acetate
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

Hydrocarbons, C10-C12, isoalkanes (64742-48-9)	: No additional information available
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### 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	: 55 C; 131 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	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: 2 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 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) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

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

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

tert-Butyl acetate (540-88-5)

LD50 oral rat : 4100 mg/kg  
LD50 dermal rabbit : > 2000 mg/kg  
LC50 inhalation rat : > 9482 mg/m3 (Exposure time: 4 h)

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

LD50 oral rat : > 6000 mg/kg  
LD50 dermal rabbit : > 3160 mg/kg  
LC50 inhalation rat : > 8500 mg/m3 (Exposure time: 4 h)

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Causes serious eye irritation.  
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 : Not classified

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 : May be fatal if swallowed and enters airways.  
Viscosity, kinematic : 2 mm2/s

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.  
Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking..  
Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.  
Symptoms/effects after ingestion : May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May result in aspiration into the lungs, causing chemical pneumonia.  
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.

## SECTION 12: Ecological information

### 12.1 Toxicity

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)

tert-Butyl acetate (540-88-5)

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

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

LC50 fish 1 : 2200 mg/l (Exposure time: 96 h - Species: Pimephales promelas)

### 12.2 Persistence and degradability

FUSION PLUS

Persistence and degradability : Not established

### 12.3 Bioaccumulative potential

FUSION PLUS

Bioaccumulative potential : Not established

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

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

tert-Butyl acetate (540-88-5)

Partition coefficient n-octanol/water : 1.38

### 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 XPPEL, 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.

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