

**SECTION 1 - Identification**

**1.1 Identification**

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

Contains 1-chloro-4(trifluoromethyl) benzene, tert-Butyl acetate

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Surface protectant / surfacant

**1.3 Details of the Supplier of the Safety Data Sheet**

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

**1.4 Emergency telephone number**

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

**SECTION 2 - Hazard(s) identification**

**2.1 Classification of the substance or mixture**

**Regulation (EC) No 1272/2008**

Acute toxicity - Dermal : Category 4 - (H312)  
 Acute toxicity - Inhalation (Dusts/Mists) : Category 4 - (H332)  
 Chronic aquatic toxicity : Category 2 - (H411)  
 Flammable liquids : Category 3 - (H226)

**2.2 Label Elements**

**Product Identifier**

Contains 1-chloro-4(trifluoromethyl) benzene, tert-Butyl acetate



Signal word : Warning  
 Hazard statements : H312 - Harmful in contact with skin  
 : H332 - Harmful if inhaled  
 : H411 - Toxic to aquatic life with long lasting effects  
 : H226 - Flammable liquid and vapor  
 : EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary statements : P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 EU (§28, 1272/2008) : 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  
 : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
 : P271 - Use only outdoors or in a well-ventilated area  
 : P273 - Avoid release to the environment  
 : P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 : P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 : P312 - Call a POISON CENTER or doctor if you feel unwell  
 : P363 - Wash contaminated clothing before reuse  
 : P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 : P312 - Call a POISON CENTER or doctor if you feel unwell  
 : P370 + P378 - In case of fire: Use CO2, dry chemical, or foam to extinguish  
 : P391 - Collect spillage  
 : P403 + P235 - Store in a well-ventilated place. Keep cool  
 : P501 - Dispose of contents/ container to an approved waste disposal plant

**2.3 Other hazards**

No additional information available

**SECTION 3 - Composition/Information on ingredients**

3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
tert-Butyl acetate	Present	540-88-5	30-60	(EUH066) Flam. Liq. 2 (H225) Acute Tox. 4 (H312) (Self-classification) Acute Tox. 4 (H332) (Self-classification)	Not determined
1-chloro-4(trifluoromethyl) benzene	Present	98-56-6	10-40	(EUH066) Flam. Liq. 2 (H225) Acute Tox. 4 (H312) (Self-classification) Acute Tox. 4 (H332) (Self-classification)	Not determined

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**SECTION 4 - First-aid measures**

4.1 Description of first-aid measures

- Eye Contact: Rinse immediately with plenty of water and seek medical advice.
- Skin Contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Call a poison center or doctor/physician if you feel unwell.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
- Ingestion: Clean mouth with water and drink afterwards plenty of water.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms: Harmful in contact with skin. Harmful if inhaled.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician: Treat symptomatically.

**SECTION 5 - Fire-fighting measures**

5.1 Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media: Carbon dioxide (CO2). Dry chemical. Foam.
- Unsuitable extinguishing media: Not determined.

5.2. Special Hazards Arising from the Substance or Mixture

Flammable liquid and vapor.  
 Hazardous combustion products: Carbon oxides.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

**SECTION 6 - Accidental release measures**

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

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.

For Emergency Responders

Use personal protection recommended in Section 8.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information.

6.3 Methods and material for containment and cleaning up

**Methods 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 Clean-Up** Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4 Reference to other sections

See Section 13: DISPOSAL CONSIDERATIONS.

**SECTION 7 - Handling and storage**

**7.1 Precautions for safe handling**

**Advice on Safe Handling**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place.

**7.3. Specific End Use(s)**

**Specific Use(s)**

Surface protectant/surfactant.

**Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

**SECTION 8 - Exposure controls/personal protection**

**8.1 Control parameters**

Chemical name	European Union	United Kingdom	France	Spain	Germany
tert-Butyl acetate 540-88-5	-	STEL: 250 ppm STEL: 1210 mg/m <sup>3</sup> TWA: 200 ppm TWA: 966 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 950 mg/ m <sup>3</sup>	TWA: 200 ppm TWA: 966 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 96 mg/m <sup>3</sup>
1-chloro-4(trifluoromethyl) benzene 98-56-6	-	-	-	-	TWA: 1 mg/m <sup>3</sup>
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
tert-Butyl acetate 540-88-5	-	TWA: 200 ppm	-	TWA: 150 ppm TWA: 720 mg/m <sup>3</sup> STEL: 200 ppm STEL: 960 mg/m <sup>3</sup>	TWA: 150 ppm TWA: 710 mg/m <sup>3</sup> TWA: 50 ppm TWA: 150 mg/m <sup>3</sup>
1-chloro-4(trifluoromethyl) benzene 98-56-6	-	TWA: 2.5 mg/m <sup>3</sup>	-	-	TWA: 2.5 mg/m <sup>3</sup>
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
tert-Butyl acetate 540-88-5	STEL 20 ppm STEL 96 mg/m <sup>3</sup> TWA: 20 ppm TWA: 96 mg/m <sup>3</sup> TWA: 100 ppm TWA: 480 mg/m <sup>3</sup> Ceiling 20 ppm Ceiling 96 mg/m <sup>3</sup> Ceiling 100 ppm Ceiling 480 mg/m <sup>3</sup>	STEL: 100 ppm STEL: 480 mg/m <sup>3</sup> TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>	STEL: 900 mg/ m <sup>3</sup> TWA: 900 mg/ m <sup>3</sup>	TWA: 75 ppm TWA: 355 mg/m <sup>3</sup> STEL: 112.5 ppm STEL: 443.75 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 950 mg/m <sup>3</sup> STEL: 600 ppm
1-chloro-4(trifluoromethyl) benzene 98-56-6	-	-	TWA: 2 mg/m <sup>3</sup>	-	TWA: 2.5 mg/m <sup>3</sup> STEL: 7.5 mg/m <sup>3</sup>

**SECTION 8 - Exposure controls/personal protection****8.2 Appropriate Engineering Controls**

Engineering Controls                      Showers. Eyewash stations. Ventilation systems.

## Personal Protective Equipment

Eye/Face Protection	Wear eye/face protection.
Hand Protection	Wear suitable gloves.
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.

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

Physical state	: Liquid
Appearance	: Clear liquid
Color	: Colorless
Odor	: Aromatic
Odor threshold	: Not determined
pH	: Not determined
Melting point / freezing point	: Not determined
Boiling point / boiling range	: 48 °C / 118 °F
Flash point	: 55 °C / 131 °F
Evaporation rate	: < 1
Flammability (Solid, Gas)	: Liquid - Not applicable
Flammability Limit in Air	
Upper flammability or explosive limits	: Not determined
Lower flammability or explosive limits	: Not determined
Vapor pressure	: <0.12 hPa
Vapor density	: Not determined
Relative density	: Not determined
Water Solubility	: Not determined
Solubility(ies)	: Not determined
Partition Coefficient	: Not determined
Auto-ignition temperature	: 400 °C / 752 °F
Decomposition temperature	: Not determined
Kinematic Viscosity	: 2 mm <sup>2</sup> /s
Dynamic Viscosity	: Not determined
Explosive properties	: Not determined
Oxidizing properties	: Not determined

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

Not reactive under normal conditions.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

None under normal processing.

**10.4 Conditions to avoid**

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

**10.5 Incompatible materials**

Strong oxidizing agents. Strong acids. Strong bases.

**10.6 Hazardous decomposition products**

Carbon oxides.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

**Product Information**

Inhalation	Harmful if inhaled.
Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Ingestion	Do not ingest.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	4,573.40 mg/kg
ATEmix (dermal)	1,619.671 mg/kg
ATEmix (inhalation-dust/mist)	1.5253 mg/L

**Unknown Acute Toxicity**

- Unknown Acute Toxicity
- 100 % of the mixture consists of ingredient(s) of unknown toxicity.
- 19 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 19 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
- 59 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
tert-Butyl acetate	= 4100 mg/kg ( Rat )	> 2 g/kg ( Rabbit ) > 2000 mg/kg ( Rabbit )	> 9482 mg/m <sup>3</sup> ( Rat ) 4 h > 2230 mg/m <sup>3</sup> ( Rat ) 4 h
1-chloro-4(trifluoromethyl) benzene	= 13 g/kg ( Rat )	> 2 mL/kg ( Rabbit )	= 33 mg/L ( Rat ) 4 h

<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/eye irritation</b>	Not classified.
<b>Sensitization</b>	Not classified.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>Reproductive toxicity</b>	Not classified.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
tert-Butyl acetate	-	296 - 362: 96 h Pimephales promelas mg/L LC50 flow-through	
1-chloro-4(trifluoromethyl) benzene	-	3: 96 h Danio rerio mg/L LC50 semi-static 11.5 - 15.8: 48 h Lepomis macrochirus mg/L LC50 static	3.68: 48 h Daphnia magna mg/L EC50

**SECTION 12: Ecological information**

**12.2 Persistence and degradability**

Not determined.

**12.3 Bioaccumulative potential**

Chemical name	Partition coefficient
tert-Butyl acetate	1.38
1-chloro-4(trifluoromethyl) benzene	3.7

**12.4 Mobility in soil**

Not determined.

**12.5. Results of PBT and vPvB Assessment**

Not determined.

**12.6. Other Adverse Effects**

Not determined.

**SECTION 13: Disposal considerations**

**13.1 Disposal methods**

Waste from residues/unused products      Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging      Improper disposal or reuse of this container may be dangerous and illegal.

**SECTION 14: Transport information**

**IMDG**

14.1 UN number	UN1139
14.2 Proper Shipping Name	Coating solution
14.3 Transport hazard class(es)	3
14.4 Packing Group	III

**RID**

14.1 UN/ID No	UN1139
14.2 Proper Shipping Name	Coating solution
14.3 Transport hazard class(es)	3
14.4 Packing Group	III

**ADR**

14.1 UN number	UN1139
14.2 Proper Shipping Name	Coating solution
14.3 Transport hazard class(es)	3
14.4 Packing Group	III

**IATA**

14.1 UN number	UN1139
14.2 Proper Shipping Name	Coating solution
14.3 Transport hazard class(es)	3
14.4 Packing Group	III

**SECTION 15: Regulatory information**

**15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

National Regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
tert-Butyl acetate 540-88-5	RG 84	

**SECTION 15: Regulatory information**

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**International Inventories**

Chemical name	TSCA	DSL/ NDSL	EINECS/ ELINCS	PICCS	ENCS	IECSC	AICS	KECL
tert-Butyl acetate 540-88-5 ( 0.1-5 )	X	X	X	X	X	X	X	X
1-chloro-4(trifluoromethyl) ben- zene 98-56-6 ( 0.1-3 )	X	X	X	X	X	X	X	X

**Legend**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- AICS - Australian Inventory of Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances

**15.2 International regulations**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**Section 16: OTHER INFORMATION**

**Full text of H-Statements referred to under section 3**

- EUH066** - Repeated exposure may cause skin dryness or cracking
- H225** - Highly flammable liquid and vapour
- H312** - Harmful in contact with skin
- H332** - Harmful if inhaled
- H411** - Toxic to aquatic life with long lasting effects

**Section 16: OTHER INFORMATION**

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Classification Procedure**

Calculation method

**Issue Date:** 13-Nov-2020

**Revision Date:** 1-Jan-2023

**Revision Note:** New format

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2015/830

**Disclaimer**

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 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.

End of Safety Data Sheet