

**SECTION 1 - Identification**

**Product identifier**

Product name : XPEL FUSION PLUS AIRCRAFT  
 Product code : R1453  
 SDS # : XPEL-029

**Recommended use of the chemical and restrictions on use**

Surfactant. Protectant

**Details of the supplier of the safety data sheet**

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

**Emergency telephone number**

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

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

**Appearance** Clear liquid **Physical state** liquid **Odor** Aromatic

**Classification**

Acute toxicity - Inhalation (Dusts/Mists) Category 4  
 Skin corrosion/irritation Category 2  
 Serious eye damage/eye irritation Category 2  
 Germ cell mutagenicity Category 1B  
 Carcinogenicity Category 1B  
 Specific target organ toxicity (single exposure) Category 3  
 Aspiration toxicity Category 1  
 Flammable liquids Category 3

**Signal word**

: Danger

**Hazard statements**

: Hazard statements  
 Harmful if inhaled  
 Causes skin irritation  
 Causes serious eye irritation  
 May cause genetic defects  
 May cause cancer  
 May be fatal if swallowed and enters airways  
 Flammable liquid and vapor

**Hazard pictograms**



**Precautionary statements - Prevention**

: Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wash face, hands and any exposed skin thoroughly after handling  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Use explosion-proof equipment  
 Keep cool

**Precautionary statements - Response**

: If exposed or concerned: Get medical advice/attention  
 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  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 If skin irritation occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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

**Precautionary statements - Response** : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

**Precautionary statements - Storage** : Store locked up  
Store in a well-ventilated place. Keep container tightly closed

**Precautionary statements - Disposal** : Dispose of contents/container to an approved waste disposal plant

**Other Hazards** : Harmful to aquatic life with long lasting effects

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

**Substances**

Not applicable

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

**Mixtures**

Name	CAS Number	Weight-%
Light aliphatic solvent naphtha	64742-48-9	50-90
t-Butyl Acetate	540-88-5	0.1-5
1-chloro-4(trifluoromethyl) benzene	98-56-6	0.1-3

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**SECTION 4 - First-aid measures**

**Description of first-aid measures**

**General Advice** Provide this SDS to medical personnel for treatment.

**Eye Contact** 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.

**Skin Contact** Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation persists, seek medical attention.

**Ingestion** Immediately call a poison center or doctor/physician. Do NOT induce vomiting.

**Most important symptoms and effects (acute and delayed)**

**Symptoms** Harmful if swallowed. May be harmful if swallowed. May be harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**SECTION 5 - Fire-fighting measures**

**Suitable (and unsuitable) extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific hazard arising from the chemical**

Flammable liquid and vapor.

**Hazardous combustion products** Smoke, fumes or vapors, and oxides of carbon.

**Explosion Data**

**Sensitivity to Static Discharge**

Take precautionary measures against static discharge.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6 - Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Absorb with inert material or sweep up, and then place in suitable container for chemical waste.

**SECTION 7 - Handling and storage**

**Precautions for safe handling**

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.  
Incompatible Materials Strong oxidizers.

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

**Control parameters**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
t-Butyl Acetate 540-88-5	STEL: 150 ppm TWA: 50 ppm	TWA: 200 ppm TWA: 950 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 950 mg/m <sup>3</sup>	IDLH: 1500 ppm TWA: 200 ppm TWA: 950 mg/m <sup>3</sup>
1-chloro-4(trifluoromethyl) benzene 98-56-6	TWA: 2.5 mg/m <sup>3</sup> F	TWA: 2.5 mg/m <sup>3</sup> F (vacated) TWA: 2.5 mg/m <sup>3</sup>	IDLH: 250 mg/m <sup>3</sup> F

**Appropriate Engineering Controls**

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures/Personal protective equipment**

Eye/Face Protection Wear eye/face protection. Refer to 29 CFR 1910.133 for eye and face protection regulations.  
Skin and Body Protection Wear protective gloves and protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.  
Respiratory Protection In case of insufficient ventilation, wear suitable respiratory equipment. Refer to 29 CFR 1910.134 for respiratory protection requirements.  
General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Clear liquid
Color	Clear
Odor	Aromatic
Odor Threshold	Not determined
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and 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	No data available
Lower flammability or explosive limits	No data available
Vapor Pressure	Not determined
Vapor Density	No data available
Relative Density	Not determined
Water Solubility	Not determined
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Autoignition temperature	No data available
Hyphen	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**

**Reactivity**

Not reactive under normal conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks. Direct sunlight. Incompatible Materials

**Incompatible materials**

Strong oxidizers.

**Hazardous decomposition products**

None known based on information supplied.

**SECTION 11: Toxicological information**

**Information on likely routes of exposure**

**Product Information**

Eye Contact	Avoid contact with eyes.
Skin Contact	May be harmful in contact with skin.
Inhalation	Harmful if inhaled.
Ingestion	May be harmful if swallowed.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Light aliphatic solvent naphtha 64742-48-9	> 6000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 8500 mg/m3 ( Rat ) 4 h
t-Butyl Acetate 540-88-5	= 4100 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 9482 mg/m3 ( Rat ) 4 h
1-chloro-4(trifluoromethyl) benzene 98-56-6	= 13 g/kg ( Rat )	> 3300 mg/kg ( Rabbit )	= 33 mg/L ( Rat ) 4 h

**Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms	Please see section 4 of this SDS for symptoms.
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Germ cell mutagenicity	May cause genetic defects.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical name	ACGIH	IARC	NTP	OSHA
1-chloro-4(trifluoromethyl) benzene 98-56-6		Group 2B		X

**Legend**

IARC (International Agency for Research on Cancer)  
Group 2B - Possibly Carcinogenic to Humans  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present

STOT - single exposure	May cause drowsiness or dizziness.
Aspiration hazard	May be fatal if swallowed and enters airways.

**Numerical measures of toxicity**

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

Oral LD50	4,255.20 mg/kg
Dermal LD50	3,269.60 mg/kg
ATEmix (inhalation-dust/mist)	189.60 mg/l

**SECTION 12: Ecological information**

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Component Information**

Chemical name	Algae/aquatic plants	Fish	Crustacea
Light aliphatic solvent naphtha 64742-48-9		LC50: =2200mg/L (96h, Pimephales promelas)	
t-Butyl Acetate 540-88-5		LC50: 296 - 362mg/L (96h, Pimephales promelas)	
1-chloro-4(trifluoromethyl) benzene 98-56-6		LC50: =3mg/L (96h, Danio rerio)	EC50: =3.68mg/L (48h, Daphnia magna)

**Persistence and degradability**

Not determined.

**Bioaccumulative potential**

There is no data for this product.

**Mobility**

Chemical name	Partition coefficient
t-Butyl Acetate 540-88-5	1.64
1-chloro-4(trifluoromethyl) benzene 98-56-6	3.70

**Other adverse effects**

Not determined.

**SECTION 13: Disposal considerations**

**13.1 Disposal methods**

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

**SECTION 14: Transport information**

Note	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.	
DOT	Not regulated According to 49 CFR §173.150(f)(1), this material should be reclassified as "NA1993, Combustible Liquid, N.O.S." if it is shipped in bulk	
IATA	UN number or ID number	UN1268
	Proper Shipping Name	Petroleum distillates, n.o.s.
	Transport hazard class(es)	3
	Packing group	III
IMDG	UN number or ID number	UN1268
	Proper Shipping Name	Petroleum distillates, n.o.s.
	Transport hazard class(es)	3
	Packing Group	III

### SECTION 15: Regulatory information

#### International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICL
Light aliphatic solvent naphtha	X	ACTIVE	X	X		X	X	X	X
Ambient curable resin mixture	X	ACTIVE	X						X
t-Butyl Acetate	X	ACTIVE	X	X	X	X	X	X	X
1-chloro-4(trifluoromethyl) benzene	X	ACTIVE	X	X	X	X	X	X	X

Legend:

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

#### US Federal Regulations

##### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
t-Butyl Acetate 540-88-5	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
t-Butyl Acetate				X

#### US State Regulations

##### California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	Partition coefficient
1-chloro-4(trifluoromethyl) benzene - 98-56-6	Carcinogen

#### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
t-Butyl Acetate 540-88-5	X	X	X
1-chloro-4(trifluoromethyl) benzene 98-56-6	X		

**16. OTHER INFORMATION**

**NFPA**

Health hazards	Flammability	Instability	Special hazards
-	-	-	-

**HMS**

Health hazards	Flammability	Physical Hazards	Personal Protection
-	-	-	Not determined

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**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 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.

End of Safety Data Sheet