

# FUSION PLUS AIRCRAFT

Safety Data Sheet  
according to the WHS Regulations  
Issue date: 08/01/2023 Version: 1.0  
SDS No: 10736-0042



## SECTION 1: Product identifier

### 1.1. GHS Product identifier

Product form Mixture  
Product name XPEL FUSION PLUS SATIN

### 1.2. Other means of identification

Other means of identification XPEL-032

### 1.3. Recommended use of the chemical and restrictions on use

Recommended Use Surfactant  
Restrictions on use Protectant

### 1.4. Details of manufacturer or importer

<b>Supplier</b> XPEL, Inc. 3251 I-35 San Antonio, TX, 78219 USA T +1 210-678-3700	<b>Supplier</b> XPEL Australia 4/2 Holker St. Newington NSW 2127 Australia
--	--

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

### 1.5. Emergency phone number

Emergency number 1300 366 961

## SECTION 2: Hazard identification

### 2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 3	H226
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Reproductive toxicity, Category 2	H361
Specific target organ toxicity - Single exposure, Category 3, Narcosis	H336
Aspiration hazard, Category 1	H304

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

Hazard pictograms (GHS AU)



Flame



Exclamation mark



Health hazard

<b>Signal word (GHS AU)</b>	Danger
<b>Contains</b>	Naphtha (petroleum), hydrotreated heavy ( $\geq 50 - < 95$ %); tert-butyl acetate ( $\geq 0.1 - < 10$ %); 1-chloro-4(trifluoromethyl) benzene ( $\geq 0.1 - < 5$ %)
<b>Hazard statements (GHS AU)</b>	H226 - Flammable liquid and vapour H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H317 - May cause an allergic skin reaction H332 - Harmful if inhaled H336 - May cause drowsiness or dizziness H351 - Suspected of causing cancer H361 - Suspected of damaging fertility or the unborn child
<b>Precautionary statements (GHS AU)</b>	
<b>P201</b>	Obtain special instructions before use.
<b>P202</b>	Do not handle until all safety precautions have been read and understood.
<b>P210</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>P240</b>	Ground and bond container and receiving equipment.
<b>P241</b>	Use explosion-proof lighting, ventilating, electrical equipment.
<b>P261</b>	Avoid breathing vapours, mist, dust, spray.
<b>P264</b>	Wash hands, forearms and face thoroughly after handling.
<b>P271</b>	Use only outdoors or in a well-ventilated area.
<b>P272</b>	Contaminated work clothing should not be allowed out of the workplace.
<b>P280</b>	Wear protective gloves, protective clothing, eye protection, face protection.
<b>P301 + P310</b>	IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
<b>P303 + P361 + P353</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
<b>P304 + P340</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
<b>P331</b>	Do NOT induce vomiting.
<b>P333 + P313</b>	If skin irritation or rash occurs: Get medical advice.
<b>P362 + P364</b>	Take off contaminated clothing and wash it before reuse.
<b>P370 + P378</b>	In case of fire: Use media other than water to extinguish.
<b>P403 + P233</b>	Store in a well-ventilated place. Keep container tightly closed.
<b>P403 + P235</b>	Store in a well-ventilated place. Keep cool.
<b>P405</b>	Store locked up.
<b>P501</b>	Dispose of contents and 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

## SECTION 3: Composition and information on ingredients

Name	CAS No	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Naphtha (petroleum), hydrotreated heavy	64742-48-9	$\geq 50 - < 95$	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304
Amino-functional Phenyl Methyl Silicone Resin	1242619-23-3	$\geq 10 - < 35$	Not classified

# FUSION PLUS AIRCRAFT

Safety Data Sheet  
according to the WHS Regulations  
Issue date: 08/01/2023 Version: 1.0  
SDS No: 10736-0042



tert-butyl acetate	540-88-5	≥ 0.1 - < 10	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT SE 3, H336 STOT SE 3, H335
1-chloro-4(trifluoromethyl) benzene	98-56-6	≥ 0.1 - < 5	Flam. Liq. 3, H226 Skin Sens. 1B, H317 Carc. 2, H351 Repr. 2, H361

## SECTION 4: First aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general	Call a physician immediately.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse eyes with water as a precaution.
First-aid measures after ingestion	Do not induce vomiting. Call a physician immediately.

### 4.2. Symptoms caused by exposure

Symptoms/effects	May cause drowsiness or dizziness.
Symptoms/effects after inhalation	Harmful if inhaled.
Symptoms/effects after skin contact	Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after ingestion	May be fatal if swallowed and enters airways. Risk of lung oedema.
Chronic symptoms	Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

### 4.3. Medical attention and special treatment

Treatment	Treat symptomatically.
-----------	------------------------

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable Extinguishing Media	Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.

### 5.2. Specific hazards arising from the chemical

Fire hazard	Flammable liquid and vapour.
Explosion hazard	Product is not explosive.
General measures	Avoid contact with eyes, skin or mucous membrane. Evacuate the danger area. Evacuate personnel to a safe area.
Hazardous decomposition products in case of fire	Toxic fumes may be released.

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

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code	* 3Y

## SECTION 6: Accidental release measures

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

<b>General measures</b>	Avoid contact with eyes, skin or mucous membrane. Evacuate the danger area. Evacuate personnel to a safe area.
<b>6.1.1. For non-emergency personnel</b> Emergency procedures	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapours, mist, dust, spray. Avoid contact with skin and eyes.
<b>6.1.2. For emergency responders</b> Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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

<b>For containment</b>	Collect spillage.
<b>Methods for cleaning up</b>	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Additional hazards when processed</b>	Avoid contact with eyes, skin or mucous membrane.
<b>Precautions for safe handling</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, mist, dust, spray. Avoid contact with skin and eyes.
<b>Hygiene measures</b>	Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

<b>Technical measures</b>	Ground/bond container and receiving equipment.
<b>Storage conditions</b>	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
<b>Heat and ignition sources</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>Information on mixed storage</b>	Keep away from food, drink and animal feeding stuffs.
<b>Storage area</b>	Keep out of frost.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

tert-butyl acetate (540-88-5)	
Australia - Occupational Exposure Limits	
Local name	tert-Butyl acetate
OES TWA [1]	950 mg/m <sup>3</sup>
OES TWA [2]	200 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2022)

## 8.2. Biological Monitoring

No additional information available

## 8.3. Engineering controls

Appropriate engineering controls      Ensure good ventilation of the work station.

## 8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection      Chemically resistant protective gloves  
 Eye protection      tightly fitting safety goggles  
 Skin and body protection      Wear suitable protective clothing  
 Respiratory protection      [In case of inadequate ventilation] wear respiratory protection.  
 Environmental exposure controls      Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1 Information on Physical and Chemical Properties

Physical state	Liquid
Appearance	Clear
Colour	Colourless
Odour	aromatic
Odour Threshold	No data available
pH	No data available
pH solution	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point / Freezing point	No data available
Boiling point	48 °C
Flash point	55 °C
Auto-ignition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative density	No data available
Density	Relative density: 1
Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	2 mm <sup>2</sup> /s
Explosive properties	Product is not explosive.
Explosive limits	No data available
Minimum ignition energy	No data available
Fat solubility	No data available

## SECTION 10: Stability and reactivity

Reactivity      Flammable liquid and vapour.  
 Chemical stability      Stable under normal conditions.

# FUSION PLUS AIRCRAFT

Safety Data Sheet  
according to the WHS Regulations  
Issue date: 08/01/2023 Version: 1.0  
SDS No: 10736-0042



<b>Possibility of hazardous reactions</b>	No dangerous reactions known under normal conditions of use.
<b>Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
<b>Incompatible materials</b>	Strong oxidizing agent.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

<b>Acute toxicity (oral)</b>	Not classified
<b>Acute toxicity (dermal)</b>	Not classified
<b>Acute toxicity (inhalation)</b>	Harmful if inhaled.

XPEL FUSION PLUS AIRCRAFT	
LD50 oral	4255.2 mg/kg
LD50 dermal	3269.6 mg/kg
ATE AU (dust,mist)	1.5 mg/l/4h
tert-butyl acetate (540-88-5)	
ATE AU (gases)	4500 ppmv/4h
ATE AU (vapours)	11 mg/l/4h
ATE AU (dust,mist)	1.5 mg/l/4h
1-chloro-4(trifluoromethyl) benzene (98-56-6)	
LD50 oral rat	5546 mg/kg bodyweight Animal: rat, Animal sex: male, 95% CL: 4575 - 6724
LD50 dermal rabbit	> 3300 mg/kg bodyweight Animal: rabbit
LC50 Inhalation - Rat	> 32.03 mg/l/4h Animal: rat, Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	Not classified
<b>Respiratory or skin sensitisation</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Suspected of causing cancer.
<b>Reproductive toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>STOT-single exposure</b>	May cause drowsiness or dizziness.

tert-butyl acetate (540-88-5)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
STOT-single exposure	May cause drowsiness or dizziness.

<b>STOT-repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

Amino-functional Phenyl Methyl Silicone Resin (1242619-23-3)	
Animal studies and expert judgment for classification	False

tert-butyl acetate (540-88-5)	
Animal studies and expert judgment for classification	False

1-chloro-4(trifluoromethyl) benzene (98-56-6)	
Animal studies and expert judgment for classification	False

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
Animal studies and expert judgment for classification	False

**SECTION 12: Ecological information**

**12.1. Ecotoxicity**

<b>Ecology - general</b>	Very toxic to aquatic life with long lasting effects.
<b>Hazardous to the aquatic environment, short-term (acute)</b>	Not classified
<b>Hazardous to the aquatic environment, long-term (chronic)</b>	Not classified

1-chloro-4(trifluoromethyl) benzene (98-56-6)	
LC50 fish 1	3 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

**12.5. Other adverse effects**

<b>Ozone</b>	Not classified
<b>Other adverse effects</b>	No additional information available

XPEL FUSION PLUS AIRCRAFT	
Fluorinated greenhouse gases	False
Amino-functional Phenyl Methyl Silicone Resin (1242619-23-3)	
Fluorinated greenhouse gases	False
tert-butyl acetate (540-88-5)	
Fluorinated greenhouse gases	False

1-chloro-4(trifluoromethyl) benzene (98-56-6)	
Fluorinated greenhouse gases	False
Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
Fluorinated greenhouse gases	False

## SECTION 13: Disposal considerations

**Waste treatment methods**      Dispose of contents/container in accordance with licensed collector's sorting instructions.  
**Additional information**      Flammable vapours may accumulate in the container.

## SECTION 14: Transport information

### 14.1. UN number

UN-No. (ADG)      1268  
 UN-No. (IMDG)      1268  
 UN-No. (IATA)      1268

### 14.2. UN Proper Shipping Name

Proper Shipping Name (ADG)      PETROLEUM DISTILLATES, N.O.S  
 Proper Shipping Name (IMDG)      PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum), hydrotreated heavy)  
 Proper Shipping Name (IATA)      Petroleum distillates, n.o.s. (Naphtha (petroleum), hydrotreated heavy)

### 14.3. Transport hazard class(es)

**ADG**  
 Transport hazard class(es) (ADG)      3  
 Danger labels (ADG)      3



**IMDG**  
 Transport hazard class(es) (IMDG)      3  
 Danger labels (IMDG)      3



**IATA**  
 Transport hazard class(es) (IATA)      3  
 Danger labels (IATA)      3





# FUSION PLUS AIRCRAFT

Safety Data Sheet  
according to the WHS Regulations  
Issue date: 08/01/2023      Version: 1.0  
SDS No: 10736-0042



## 14.4. Packing group

Packing group (ADG)	III - Substances presenting low danger
Packing group (IMDG)	III
Packing group (IATA)	III

## 14.5. Environmental hazards

Marine pollutant	No
Dangerous for the environment	No
Other information	No supplementary information available

## 14.6. Special precautions for user

Specific storage requirement	No data available
Shock sensitivity	No data available

## 14.7. Additional information

Other information	No supplementary information available
-------------------	--

## Transport by road and rail

UN-No. (ADG)	1268
Special provision (ADG)	223, AU02
Limited quantities (ADG)	5I
Excepted quantities (ADG)	E1
Packing instructions (ADG)	P001, IBC03, LP01
Portable tank and bulk container instructions (ADG)	T4
Portable tank and bulk container special provisions (ADG)	TP1, TP29

## Transport by sea

UN-No. (IMDG)	1268
Special provisions (IMDG)	223, 955
Limited quantities (IMDG)	5 L
Excepted quantities (IMDG)	E1
Packing instructions (IMDG)	P001, LP01
IBC packing instructions (IMDG)	IBC03
Tank instructions (IMDG)	T4
Tank special provisions (IMDG)	TP1, TP29
EmS-No. (Fire)	F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	A

## Air transport

UN-No. (IATA)	1268
PCA Excepted quantities (IATA)	E1
PCA Limited quantities (IATA)	Y344

# FUSION PLUS AIRCRAFT

Safety Data Sheet  
according to the WHS Regulations  
Issue date: 08/01/2023 Version: 1.0  
SDS No: 10736-0042



PCA limited quantity max net quantity (IATA)	10L
PCA packing instructions (IATA)	355
PCA max net quantity (IATA)	60L
CAO packing instructions (IATA)	366
CAO max net quantity (IATA)	220L
Special provisions (IATA)	A3
ERG code (IATA)	3L

## 14.8. Hazchem or Emergency Action Code

Hazchem Code \* 3Y

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration

# FUSION PLUS AIRCRAFT

Safety Data Sheet  
 according to the WHS Regulations  
 Issue date: 08/01/2023 Version: 1.0  
 SDS No: 10736-0042



<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent Bioaccumulative Toxic
<b>PNEC</b>	Predicted No-Effect Concentration
<b>RID</b>	RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
<b>SDS</b>	Safety Data Sheet
<b>STP</b>	Sewage treatment plant
<b>ThOD</b>	Theoretical oxygen demand (ThOD)
<b>TLM</b>	Median Tolerance Limit
<b>VOC</b>	Volatile Organic Compounds
<b>CAS-No.</b>	Chemical Abstract Service number
<b>N.O.S.</b>	Not Otherwise Specified
<b>vPvB</b>	Very Persistent and Very Bioaccumulative
<b>ED</b>	Endocrine disrupting properties
<b>DOT</b>	Department of Transport
<b>TDG</b>	Transportation of Dangerous Goods
<b>REACH</b>	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
<b>GIS</b>	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
<b>ICB-Code</b>	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
<b>CLP</b>	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
<b>MARPOL 73/78 - MARPOL 73/78</b>	International Convention for the Prevention of Pollution From Ships
<b>ADG</b>	Transport of Australian Dangerous Goods

**Other information**

Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Classification	
Flam. Liq. 3	H226
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Irrit. 2	H315
Skin Sens. 1	H317
Carc. 2	H351
Repr. 2	H361
STOT SE 3	H336
Asp. Tox. 1	H304

Full text of H-statements	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Flam. Liq. 2	Flammable liquids, Category 2

# FUSION PLUS AIRCRAFT

Safety Data Sheet  
according to the WHS Regulations  
Issue date: 08/01/2023      Version: 1.0  
SDS No: 10736-0042



Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity - Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child