

FUSION PLUS MARINE

Safety Data Sheet
according to the WHS Regulations
Issue date: 08/01/2023 Version: 1.0
SDS No: 10736-0050



SECTION 1: Product identifier

1.1. GHS Product identifier

Product form	Mixture
Product name	XPEL FUSION PLUS MARINE

1.2. Other means of identification

Other means of identification	R1370 & R1370-L
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1.3. Recommended use of the chemical and restrictions on use

Recommended Use	Surface Protection
Restrictions on use	Surfactant

1.4. Details of manufacturer or importer

Supplier XPEL, Inc. 3251 I-35 San Antonio, TX, 78219 USA T +1 210-678-3700	Supplier XPEL Australia 4/2 Holker St. Newington NSW 2127 Australia
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E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

1.5. Emergency phone number

Emergency number	1300 366 961
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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
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Acute toxicity (inhalation:vapour) Category 4	H332
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Specific target organ toxicity - Single exposure, Category 3, Narcosis	H336
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Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation	H335
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2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU)



Flame

Exclamation mark

Signal word (GHS AU)

Warning

Contains

tert-butyl acetate (≥ 30 - < 65 %)

Hazard statements (GHS AU)	H226 - Flammable liquid and vapour H332 - Harmful if inhaled H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness
Precautionary statements (GHS AU)	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, lighting equipment.
P261	Avoid breathing vapours, mist, dust, spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves, protective clothing, eye protection, face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER, a doctor if you feel unwell.
P370 + P378	In case of fire: Use media other than water to extinguish.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool. P405 - Store locked up.
P501	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)
tert-butyl acetate	540-88-5	≥ 30 - < 65	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	≥ 10 - < 45	Not classified
Amino-functional Phenyl Methyl Silicone Resin	1242619-23-3	≥ 10 - < 45	Not classified

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact	Rinse eyes with water as a precaution.
First-aid measures after ingestion	Rinse mouth. Call a poison center or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects	May cause drowsiness or dizziness.
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Symptoms/effects after inhalation Harmful if inhaled. May cause respiratory irritation.

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

General measures Avoid contact with eyes, skin or mucous membrane. Evacuate the danger area. Evacuate personnel to a safe area.

6.1.1. For non-emergency personnel
 Emergency procedures Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin, eyes and clothing. Avoid breathing vapours, mist, dust, spray.

6.1.2. For emergency responders
 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.

6.3. Methods and materials for containment and cleaning up

For containment Collect spillage.

Methods for cleaning up 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

Additional hazards when processed Avoid contact with eyes, skin or mucous membrane.

Precautions for safe handling 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. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, mist, dust, spray.

Hygiene measures Wash contaminated clothing before reuse. 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

Technical measures Ground/bond container and receiving equipment.

Storage conditions Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Heat and ignition sources Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Information on mixed storage Keep away from food, drink and animal feeding stuffs.

Storage area 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 ³
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	54 °C
Auto-ignition temperature	400 °C
Flammability (solid, gas)	No data available
Vapour pressure	Vapour pressure: < 0.12 hPa
Relative density	No data available
Density	Relative density: 0.98 60°F
Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	21 mm ² /s
Explosive properties	No data available
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.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to avoid	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agent.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Harmful if inhaled.

XPEL FUSION PLUS MARINE	
ATE AU (vapours)	18.333 mg/l/4h
LD50 dermal	3269.6 mg/kg
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 air Animal: rat, Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

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

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

tert-butyl acetate (540-88-5)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

STOT-repeated exposure Not classified

1-chloro-4(trifluoromethyl) benzene (98-56-6)	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat
NOAEL (oral, rat, 90 days)	40 mg/kg bodyweight Animal: rat, Animal sex: male

Aspiration hazard May be fatal if swallowed and enters airways.

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

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

SECTION 12: Ecological information

12.1. Ecotoxicity

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

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



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) 1139

Special provision (ADG)	223
Limited quantities (ADG)	5I
Excepted quantities (ADG)	E1
Packing instructions (ADG)	P001, IBC03, LP01
Portable tank and bulk container instructions (ADG)	T2
Portable tank and bulk container special provisions (ADG)	TP1

Transport by sea

UN-No. (IMDG)	1139
Special provisions (IMDG)	955
Limited quantities (IMDG)	5 L
Excepted quantities (IMDG)	E1
Packing instructions (IMDG)	P001, LP01
IBC packing instructions (IMDG)	IBC03
Tank instructions (IMDG)	T2
Tank special provisions (IMDG)	TP1
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)	1139
PCA Excepted quantities (IATA)	E1
PCA Limited quantities (IATA)	Y344
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
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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
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GIS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
ICB-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

MARPOL 73/78 - MARPOL 73/78
ADG

International Convention for the Prevention of Pollution From Ships
 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:vapour)	H332
STOT SE 3	H336
STOT SE 3	H335

Full text of H-statements	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
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
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

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