

SECTION 1 - Identification

1.1 Identification

SDS # : XPEL-030-EU
Product Name : XPEL FUSION PLUS LITE
Product Code : R1451
Pure substance/mixture : Mixture

Contains Naphtha (petroleum), hydrotreated heavy

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)
Emergency Telephone Number : \$45 - (EC)1272/2008
Europe : 112

SECTION 2 - Hazard(s) identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008

Flammable liquids : Category 3 - (H226)
Skin corrosion/irritation : Category 2 - (H315)
Serious eye damage/eye irritation : Category 2 - (H319)
Germ cell mutagenicity : Category 1B - (H340)
Carcinogenicity : Category 1B - (H350)
Specific target organ toxicity – single exposure : Category 3
Aspiration hazard : Category 1 - (H304)
Chronic aquatic toxicity : Category 3 - (H412)

2.2 Label Elements

Product Identifier

Contains Naphtha (petroleum), hydrotreated heavy



Signal word : Danger
Hazard statements : H304 - May be fatal if swallowed and enters airways
: H315 - Causes skin irritation
: H319 - Causes serious eye irritation
: H340 - May cause genetic defects
: H350 - May cause cancer
: H336 - May cause drowsiness or dizziness
: H412 - Harmful to aquatic life with long lasting effects
: H226 - Flammable liquid and vapour

Precautionary statements : P201 - Obtain special instructions before use
EU (\$28, 1272/2008) : P202 - Do not handle until all safety precautions have been read and understood
: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
: P264 - Wash face, hands and any exposed skin thoroughly after handling
: P271 - Use only outdoors or in a well-ventilated area
: P280 - Wear protective gloves/protective clothing/eye protection/face protection
: P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish
: P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
: P331 - Do NOT induce vomiting
: 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/physician if you feel unwell
: P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

SECTION 2 - Hazard(s) identification

2.2 Label Elements

Precautionary statements : P332 + P313 - If skin irritation occurs: Get medical advice/attention
 EU (§28, 1272/2008) : P362 - Take off contaminated clothing and wash before reuse
 : P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 : P337 + P313 - If eye irritation persists: Get medical advice/attention
 : P308 + P313 - IF exposed or concerned: Get medical advice/attention
 : P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
 : P405 - Store locked up
 : P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

SECTION 2 - Hazard(s) identification

2.3 Other hazards

No information available.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3 - Composition/Information on ingredients

3.1 Substances

No information available.

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Light aliphatic solvent naphtha 64742-48-9	50-90	No data available	(649-327-00-6) 265-150-3	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	-	-	-
Ambient curable resin mixture	10-30	No data available	No information available	Skin 2 (H315) Self-class Eye 2 (H319) Self-class STOT SE 3 (H335) Self-class	-	-	-
t-Butyl Acetate 540-88-5	0.1-5	No data available	(607-026-00-7) 208-760-7	Flam. Liq. 2 (H225) (EUH066)	-	-	-
1-chloro-4(trifluoro-methyl) benzene 98-56-6	0.1-5	No data available	202-681-1	No data available	-	-	-

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)

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

SECTION 3 - Composition/Information on ingredients

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Light aliphatic solvent naphtha 64742-48-9	6000	5000	Inhalation LC50 Rat >8500 mg/m ³ 4 h (aerosol, Source: EPA_ HPV)	>8500	-
t-Butyl Acetate 540-88-5	4100	2000	Inhalation LC50 Rat >9482 mg/m ³ 4 h (no deaths occurred, vapor, Source: NLM_PUBMED) 9.482	>9482	-
1-chloro-4(trifluorometh- yl) benzene 98-56-6	13000	3300	Inhalation LC50 Rat 33 mg/L 4 h (Source: NTP)	33	-

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

SECTION 4 - First-aid measures

4.1 Description of first-aid measures

General advice	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required.
Inhalation	Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing.

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

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Burning sensation.

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

Because of the danger of aspiration, emesis or gastric lavage should not be used unless the risk is justified by the presence of additional toxic substances.

SECTION 5 - Fire-fighting measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol resistant foam.
Large Fire	: CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	: Do not scatter spilled material with high pressure water streams.

5.2. Special Hazards Arising from the Substance or Mixture

Specific hazards arising from the chemical	: Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Hazardous combustion products	: Smoke, fumes or vapors, and oxides of carbon.

SECTION 5 - Fire-fighting measures

5.3. Advice for Firefighters

Special protective equipment and precautions for fire-fighters : Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6 - Accidental release measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2 Environmental precautions

Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Methods for Containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for Clean-Up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4 Reference to other sections

See section 8 for more information. See section 13 for more information.

SECTION 7 - Handling and storage

7.1 Precautions for safe handling

Advice on Safe Handling

Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash it before reuse.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

Storage class (TRGS 510) LGK 3.

7.3. Specific End Use(s)

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

SECTION 8 - Exposure controls/personal protection

8.1 Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
t-Butyl Acetate 540-88-5	-	TWA: 20 ppm TWA: 96 mg/m ³ STEL 20 ppm STEL 96 mg/m ³ Ceiling: 20 ppm Ceiling: 96 mg/m ³	TWA: 50 ppm TWA: 238 mg/m ³ STEL: 150 ppm STEL: 712 mg/m ³	-	TWA: 200 ppm TWA: 966 mg/m ³ STEL: 250 ppm STEL: 1210 mg/m ³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
t-Butyl Acetate 540-88-5	-	TWA: 950 mg/m ³ Ceiling: 1200 mg/m ³	TWA: 50 ppm TWA: 241 mg/m ³	TWA: 100 ppm TWA: 500 mg/m ³ STEL: 150 ppm STEL: 700 mg/m ³	TWA: 50 ppm TWA: 240 mg/m ³ STEL: 150 ppm STEL: 725 mg/m ³
1-chloro-4(trifluoromethyl) benzene 98-56-6	-	-	TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³	-
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Light aliphatic solvent naphtha 64742-48-9	-	-	TWA: 50 ppm TWA: 300 mg/m ³ Peak: 100 ppm Peak: 600 mg/m ³	-	-
t-Butyl Acetate 540-88-5	TWA: 200 ppm TWA: 950 mg/m ³	TWA: 20 ppm TWA: 96 mg/m ³	TWA: 20 ppm TWA: 96 mg/m ³ Peak: 40 ppm Peak: 192 mg/m ³	TWA: 200 ppm TWA: 950 mg/m ³ STEL: 250 ppm STEL: 1190 mg/m ³	-
1-chloro-4(trifluoromethyl) benzene 98-56-6	-	TWA: 1 mg/m ³	TWA: 1 mg/m ³ *	TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³ b*
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
t-Butyl Acetate 540-88-5	TWA: 200 ppm TWA: 950 mg/m ³ STEL: 600 ppm	-	TWA: 50 ppm TWA: 238 mg/m ³ STEL: 100 ppm STEL: 532 mg/m ³	TWA: 200 mg/m ³	-
1-chloro-4(trifluoromethyl) benzene 98-56-6	TWA: 2.5 mg/m ³ STEL: 7.5 mg/m ³	-	TWA: 2.5 mg/m ³	-	TWA: 20 mg/m ³ O*
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Light aliphatic solvent naphtha 64742-48-9	-	-	-	-	STEL: 900 mg/m ³
t-Butyl Acetate 540-88-5	-	-	-	TWA: 241 mg/m ³ TWA: 50 ppm STEL: 723 mg/m ³ STEL: 150 ppm	STEL: 900 mg/m ³ TWA: 900 mg/m ³
1-chloro-4(trifluoromethyl) benzene 98-56-6	-	-	-	-	TWA: 2 mg/m ³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
t-Butyl Acetate 540-88-5	TWA: 200 ppm	-	TWA: 100 ppm TWA: 500 mg/m ³ Ceiling: 384 mg/m ³	TWA: 200 mg/m ³ TWA: 42 ppm STEL: 84 ppm STEL: 400 mg/m ³	TWA: 200 ppm TWA: 966 mg/m ³
1-chloro-4(trifluoromethyl) benzene 98-56-6	TWA: 2.5 mg/m ³	-	TWA: 2.5 mg/m ³	-	-

SECTION 8 - Exposure controls/personal protection

8.1 Control parameters

Chemical name	Sweden	Switzerland	United Kingdom
Light aliphatic solvent naphtha 64742-48-9	-	TWA: 50 ppm TWA: 300 mg/m ³ STEL: 100 ppm STEL: 600 mg/m ³	-
t-Butyl Acetate 540-88-5	NGV: 50 ppm NGV: 241 mg/m ³ Bindande KGV: 150 ppm Bindande KGV: 723 mg/m ³	TWA: 50 ppm TWA: 240 mg/m ³ STEL: 100 ppm STEL: 480 mg/m ³	TWA: 200 ppm TWA: 966 mg/m ³ STEL: 250 ppm STEL: 1210 mg/m ³
1-chloro-4(trifluoromethyl) benzene 98-56-6	NGV: 2 mg/m ³	-	-

Biological occupational exposure limits

Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
1-chloro-4(trifluoromethyl) benzene 98-56-6	-	-	3 mg/g creatinine - urine (Fluorides) - beginning of shift 10 mg/g creatinine - urine (Fluorides) - end of shift	-	-

Chemical name	Hungary	Ireland	Italy MDLPS	Italy AIDII
1-chloro-4(trifluoromethyl) benzene 98-56-6	7 mg/g Creatinine (urine - Fluoride end of shift) 4 mg/g Creatinine (urine - Fluoride prior to next shift) 42 Qmol/mmol Creatinine (urine - Fluoride end of shift) 24 Qmol/mmol Creatinine (urine - Fluoride prior to next shift)	-	-	2 mg/g Creatinine - urine (Fluorides) - prior to shift 3 mg/g Creatinine - urine (Fluorides) - end of shift

Chemical name	Latvia	Luxembourg	Romania	Slovakia
1-chloro-4(trifluoromethyl) benzene 98-56-6	-	-	5 mg/g Creatinine - urine (Fluorine) - end of shift	-

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2 Appropriate Engineering Controls

Engineering controls	No information available.
Personal Protective Equipment	
Eye/face protection	Tight sealing safety goggles.
Hand protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear liquid
Colour	Clear
Odour	Aromatic.
Odour Threshold	No information available
Property	Values
Melting point / freezing point	No data available
Initial boiling point and boiling range	48 °C
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
Flash point	55 °C
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	
pH (as aqueous solution)	No data available
Kinematic viscosity 2 mm ² /s	
Dynamic Viscosity	No data available
Water solubility	No data available
Solubility(ies)	No data available
Partition Coefficient	No data available
Vapour Pressure	No data available
Relative Density	No data available
Bulk Density	No data available
Liquid Density	No data available
Vapour Density	No data available
Particle characteristics	
Particle Size	No information available
Particle Size Distribution	No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	Yes.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Strong acids. Strong bases. Strong oxidising agents.

10.6 Hazardous decomposition products

None known based on information supplied

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. May cause irritation. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

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

ATEmix (oral)	4,255.20 mg/kg
ATEmix (dermal)	3,269.60 mg/kg
ATEmix (inhalation-dust/mist)	189.60 mg/l

Components

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Light aliphatic solvent naphtha	> 6000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	> 5000 mg/kg (Rabbit)
t-Butyl Acetate	= 4100 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 9482 mg/m3 (Rat) 4 h
1-chloro-4(trifluoromethyl) benzene	= 13 g/kg (Rat)	> 3300 mg/kg (Rabbit)	= 33 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. Causes skin irritation.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.
Respiratory or skin sensitisation	Not classified.
Germ cell mutagenicity defects.	Contains a known or suspected mutagen. Classification based on data available for ingredients. May cause genetic defects.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Chemical name	European Union
Light aliphatic solvent naphtha	Muta. 1B

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Light aliphatic solvent naphtha	Carc. 1B

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Reproductive toxicity	Not classified.
STOT - single exposure	Classification based on data available for ingredients. May cause drowsiness or dizziness.
STOT - repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other Adverse Effects No information available.

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicity	Harmful to aquatic life with long lasting effects.
Unknown aquatic toxicity	Contains 0 % of components with unknown hazards to the aquatic environment.

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

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Chemical name	Partition coefficient
t-Butyl Acetate	1.64
1-chloro-4(trifluoromethyl) benzene	3.7

12.4 Mobility in soil

Not determined.

12.5. Results of PBT and vPvB Assessment

The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Light aliphatic solvent naphtha	The substance is not PBT / vPvB
t-Butyl Acetate	The substance is not PBT / vPvB
1-chloro-4(trifluoromethyl) benzene	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

No information available

12.7. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1 Disposal methods

Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated Packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

SECTION 14: Transport information

IMDG

14.1 UN number or ID number	UN1268
14.2 Proper Shipping Name	Petroleum distillates, n.o.s.
14.3 Transport hazard class(es)	3
14.4 Packing Group	III
Description	UN1268, Petroleum distillates, n.o.s., 3, III, (55°C c.c.)
EmS-No	F-E, S-E

RID

14.1 UN/ID No	UN1268
14.2 Proper Shipping Name	Petroleum distillates, n.o.s.
14.3 Transport hazard class(es)	3
14.4 Packing Group	III
Description	UN1268, Petroleum distillates, n.o.s., 3, III
Classification Code	F1

ADR

14.1 UN number or ID number	1268
14.2 Proper Shipping Name	Petroleum distillates, n.o.s.
14.3 Transport hazard class(es)	3
Labels	3
14.4 Packing Group	III
Description	1268, Petroleum distillates, n.o.s., 3, III, (D/E)
Classification Code	F1
Tunnel restriction code	(D/E)

IATA

14.1 UN number or ID number	UN1268
14.2 Proper Shipping Name	Petroleum distillates, n.o.s.
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Description	UN1268, Petroleum distillates, n.o.s., 3, III
ERG Code	3L

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
Light aliphatic solvent naphtha 64742-48-9	RG 84
t-Butyl Acetate 540-88-5	RG 84

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)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Light aliphatic solvent naphtha - 64742-48-9	28. 29. 75.	-

Persistent Organic Pollutants

Not applicable

SECTION 15: Regulatory information

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

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

Dangerous substance category per Seveso Directive (2012/18/EU)

- P5a - FLAMMABLE LIQUIDS
- P5b - FLAMMABLE LIQUIDS
- P5c - FLAMMABLE LIQUIDS

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Light aliphatic solvent naphtha - 64742-48-9	-	25000

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

Not applicable

International Inventories

Chemical name	TSCA	DSL/ NDSL	EINECS/ ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Naphtha (petroleum), hydrotreated heavy 64742-48-9 (50-90)	X	X	X	X	-	X	X	X
Ambient curable resin mixture (10-30)	X	X	-	-	-	-	X	-
t-Butyl Acetate 540-88-5 (0.1-5)	X	X	X	X	X	X	X	X
1-chloro-4(trifluoromethyl) benzene 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
- 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
- AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

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
- H304 - May be fatal if swallowed and enters airways
- H340 - May cause genetic defects
- H350 - May cause cancer

Legend

SVHC: Substances of Very High Concern for Authorization:

Section 16: OTHER INFORMATION

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Classification Procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritati on	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

- Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
- European Chemicals Agency (ECHA) (ECHA_API)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEG L(s))
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- U.S. Environmental Protection Agency High Production Volume Chemicals
- Food Research Journal
- Hazardous Substance Database
- International Uniform Chemical Information Database (IUCLID)
- National Institute of Technology and Evaluation (NITE)
- Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
- NIOSH (National Institute for Occupational Safety and Health)
- National Library of Medicine's ChemID Plus (NLM CIP)
- National Library of Medicine's PubMed database (NLM PUBMED)
- National Toxicology Program (NTP)
- New Zealand's Chemical Classification and Information Database (CCID)
- Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
- Organization for Economic Co-operation and Development High Production Volume Chemicals Program
- Organization for Economic Co-operation and Development Screening Information Data Set
- World Health Organization

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

Disclaimer

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End of Safety Data Sheet