

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Trade name LITFSI PURE
- CAS-No. 90076-65-6

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

Uses of the Substance/Mixture

Industry sector

- Manufacture of chemical products

Specific use(s)

- Manufacture of computer, electronic and optical products, electrical equipment
- Industrial use

1.3 Details of the supplier of the safety data sheet

Company

Mr Tek Ltd

Address: Room 06,13A/F., South Tower, World Finance Center,
Harbour City, 17 Canton Road | Tsim Sha Tsui, Kowloon, Hong kong| China
E-mail: info@mingrang-tek.com

1.4 Emergency telephone number

China : 0086 137 1854 7689 (toll-free, access from China only)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Appearance

Form: Crystals

Physical state: solid

Colour: white

Odour characteristic

Toxic if swallowed or in contact with skin., Causes severe skin burns and eye damage., May cause damage to organs (Peripheral nervous system, Central nervous system) through prolonged or repeated exposure if swallowed., Harmful to aquatic life with long lasting effects.

GHS Classification and Labeling: Follow GB 13690, GB 15258 and GB 30000.2 to GB 30000.29 (GHS 2011)

Acute toxicity, Category 3

H301: Toxic if swallowed.

Acute toxicity, Category 3

H311: Toxic in contact with skin.

Skin corrosion/irritation, Category 1B

H314: Causes severe skin burns and eye damage.

Serious eye damage, Category 1

H318: Causes serious eye damage.

Specific target organ toxicity - repeated exposure

H373: May cause damage to organs through prolonged or repeated exposure if swallowed. (Peripheral nervous system, Central nervous system), Oral

Category 2

H402: Harmful to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

Short-term (acute) aquatic hazard, Category 3
Long-term (chronic) aquatic hazard, Category 3

2.2 Label elements

GHS Classification and Labeling: Follow GB 13690, GB 15258 and GB 30000.2 to GB 30000.29 (GHS 2011)

Hazardous products which must be listed on the label

CAS-No. 90076-65-6

Methanesulfonamide, 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]-, lithium salt

Pictogram



Signal word

- Danger

Hazard statements

- H301 + H311 Toxic if swallowed or in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H373 May cause damage to organs (Peripheral nervous system, Central nervous system) through prolonged or repeated exposure if swallowed.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

General

- None

Prevention

- P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response
- P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
- P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

- P314 Get medical advice/ attention if you feel unwell.
- P361 + P353 Take off immediately all contaminated clothing and wash it before reuse.

Storage

- P405 Store locked up.

Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards which do not result in classification None known.

SECTION 3: Composition/information on ingredients
3.1 Substance
Information on Components and Impurities

Chemical name	CAS-No.	Identification number	GHS Classification	Concentration [%]
Methanesulfonamide, 1,1,1trifluoro-N-[(trifluoromethyl)sulfonyl]-, lithium salt	90076-65-6	Not applicable	Acute toxicity, Category 3; H301 Acute toxicity, Category 3; H311 Skin corrosion, Category 1B; H314 Serious eye damage, Category 1; H318 Specific target organ toxicity - repeated exposure, Category 2; H373 (Peripheral nervous system, Central nervous system) Short-term (acute) aquatic hazard, Category 3; H402 Long-term (chronic) aquatic hazard, Category 3; H412	>= 99.9 - <= 100
Water	7732-18-5	Not applicable	Not classified	<= 0.1

For the full text of the H-Statements mentioned in this Section, see Section 16.

3.2 Mixture

- Not applicable, this product is a substance.

SECTION 4: First aid measures
4.1 Description of first aid measures
General advice

- Show this safety data sheet to the doctor in attendance.
- First aider needs to protect himself.
- Place affected clothing in a sealed bag for subsequent decontamination.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

In case of inhalation

- Move to fresh air.
- Keep at rest.
- Consult a physician.

In case of skin contact

- Take off contaminated clothing and shoes immediately.
- Wash immediately and thoroughly for a prolonged period (at least 15 minutes).
- Consult a physician.

In case of eye contact

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. - Get immediate medical advice/ attention.

In case of ingestion

- Do NOT induce vomiting.
- Do not give anything to drink.
- Get immediate medical advice/ attention.

4.2 Most important symptoms and effects, both acute and delayed

- no data available

4.3 Indication of any immediate medical attention and special treatment needed

- no data available

SECTION 5: Firefighting measures**5.1 Extinguishing media Suitable****extinguishing media**

- Foam
- powder
- Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

- Not combustible.

5.3 Advice for firefighters**Special protective equipment for firefighters**

- Full protective suit
- Self-contained breathing apparatus (EN 133)

Specific fire fighting methods

- Evacuate personnel to safe areas.
- Stay upwind.

Compilation Date: 2012-03-23

Revision Date 2020-07-08

- Do not inhale fumes.
- Cool containers/tanks with water spray.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Avoid contact with the skin and the eyes.
- For further information refer to section 8 "Exposure controls/personal protection".
- Only qualified personnel equipped with suitable protective equipment may intervene.

6.2 Environmental precautions

- Do not allow uncontrolled discharge of product into the environment.

6.3 Methods and materials for containment and cleaning up***Recovery***

- Pick up and transfer to properly labelled containers.
- Keep in suitable, closed containers for disposal.

Neutralization

- Cover with dry sodium carbonate.
- calcium hydroxide

Decontamination/cleaning

- Wash non-recoverable remainder with large amounts of water.

Disposal

- Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

- no data available

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Provide for appropriate exhaust ventilation and dust collection at machinery.

Hygiene measures

- Emergency equipment immediately accessible, with instructions for use.
- Ensure that eyewash stations and safety showers are close to the workstation location.
- Regular cleaning of equipment, work area and clothing.
- Use clean, well-maintained personal protection equipment.
- Store personal protection equipment in a clean location away from the work area.
- Keep working clothes separately.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

- Contaminated work clothing should not be allowed out of the workplace.
- Contaminated clothing must never be washed or reused.
- Wash hands before breaks and immediately after handling the product.
- Shower or bathe at the end of working.
- When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures/Storage conditions**

- Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.
- Keep in a cool, well-ventilated place. - Keep container tightly closed.
- Keep away from: Strong oxidizing agents, Aluminium

Packaging material**Suitable material**

- Polyethylene
- Polypropylene

Unsuitable material -

Certain plastic materials.

Remarks**7.3 Specific end use(s)** - Metal drum with a polyethylene flexible container.

- no data available

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- Contains no substances with occupational exposure limit values above their regulatory reporting threshold.

8.2 Exposure controls Control**measures****Engineering measures**

- Effective exhaust ventilation system

Individual protection measures**Respiratory protection**

- Use a respirator with an approved filter if a risk assessment indicates this is necessary.

Hand protection

- Where there is a risk of contact with hands, use appropriate gloves
- The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

- Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- Gloves must be inspected prior to use.
- Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Suitable material

- PVC

Eye protection

- Safety goggles

Skin and body protection

- Choose body protection according to the amount and concentration of the dangerous substance at the work place. - Remove and wash contaminated clothing.
- Protective suit
- Rubber or plastic boots

Hygiene measures

- Emergency equipment immediately accessible, with instructions for use.
- Ensure that eyewash stations and safety showers are close to the workstation location.
- Regular cleaning of equipment, work area and clothing.
- Use clean, well-maintained personal protection equipment.
- Store personal protection equipment in a clean location away from the work area.
- Keep working clothes separately.
- Contaminated work clothing should not be allowed out of the workplace.
- Contaminated clothing must never be washed or reused.
- Wash hands before breaks and immediately after handling the product.
- Shower or bathe at the end of working.
- When using do not eat, drink or smoke.

Protective measures

- The protective equipment must be selected in accordance with current CEN standards and in cooperation with the
- Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.

Environmental exposure controls

- Do not allow uncontrolled discharge of product into the environment.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance**Form: CrystalsPhysical state: solidColour: whiteParticle size: < 100 µm (96 %) Method: OECD Test Guideline 110 ,
Mass median aerodynamic diameter (MMAD).

51 µm , Mass median aerodynamic diameter (MMAD).

Odour

characteristic

Odour Threshold

No data available

Molecular weight

287 g/mol

pH

6.0 - 8.0 (10 % (m/v))

Aqueous solution

Melting point/freezing pointMelting point/range: 233 °C

Method: OECD Test Guideline 102

Compilation Date: 2012-03-23

Revision Date 2020-07-08

<u>Initial boiling point and boiling range</u>	Decomposes below the boiling point. Not applicable solid for which the melting point is > 100 °C
<u>Flash point</u>	Not applicable
<u>Evaporation rate (Butylacetate = 1)</u>	Not highly flammable Method: EU Test Guideline A10
<u>Flammability (solid, gas)</u>	May form combustible dust concentrations in air <u>Explosiveness:</u> Not explosive Method: Regulation (EC) No. 440/2008, Annex, A.14
<u>Flammability/Explosive limit</u>	 > 420 °C Method: EU Test Guideline A16
<u>Auto-ignition temperature</u>	 < 0.0000003 hPa (25 °C) Method: EU
<u>Vapour pressure</u>	Test Guideline A4
<u>Vapour density</u>	
<u>Density</u>	No data available
<u>Boiling point/boiling range:</u> Method: OECD Test Guideline 103	<u>Bulk density:</u> 750 - 850 kg/m3 loose 1,030 - 1,070 kg/m3 Tamped product
<u>Relative density</u>	2.152 (20 °C) Method: OECD Test Guideline 109
<u>Solubility</u>	<u>Water solubility:</u> soluble > 1,000 g/l Method: OECD Test Guideline 105 <u>Solubility in other solvents:</u> Methanol : soluble
<u>Partition coefficient: n-octanol/water</u>	log Pow: -1.46 Method: OECD Test Guideline 107
<u>Decomposition temperature</u>	No data available
<u>Viscosity</u>	<u>Viscosity,</u> Not applicable, solid <u>dynamic</u> : <u>Viscosity,</u> Not applicable, solid <u>kinematic</u> :
<u>Explosive properties</u>	No data available
<u>Oxidizing properties</u>	Method: UN O.1 method Not considered as oxidizing

9.2 Other information

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

Hygroscopicity

strongly hygroscopic

Dust explosion constant

19 m.bar/s

LITFSI PURE

Maximum Pressure: 0.7 bar

Compilation Date: 2012-03-23

Revision Date 2020-07-08

Surface tension

73.9 mN/m 1 g/l

Method: OECD Test Guideline 115

Not considered as surface-active

SECTION 10: Stability and reactivity

10.1 Reactivity

- None reasonably foreseeable.

10.2 Chemical stability

- Stable at room temperature.
- Stable under normal conditions.

10.3 Possibility of hazardous reactions -

Stable under normal conditions.

10.4 Conditions to avoid

- Keep away from heat and sources of ignition.
- Avoid dust formation.

10.5 Incompatible materials

- Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products

- On thermal decomposition (pyrolysis) releases:
- Toxic Gas
- hydrofluoric acid
- Nitrogen oxides (NO_x)
- Sulphur oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

Acute oral toxicity

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium salt

LD50 : 160 mg/kg - Rat , male
Method: OECD Test Guideline 401
This product is classified as acute toxicity, category 3
Unpublished internal reports

Acute inhalation toxicity

No data available

Acute dermal toxicity

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium salt

LD50 : 400 mg/kg - Rabbit , male and female
This product is classified as acute toxicity, category 3
Unpublished internal reports

Acute toxicity (other routes of administration)

No data available

Skin corrosion/irritation

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium salt

Rabbit
Corrosive
Method: OECD Test Guideline 404
Unpublished internal reports

Serious eye damage/eye irritation

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium salt

Rabbit
Risk of serious damage to eyes.
Method: OECD Test Guideline 405
Unpublished internal reports

Respiratory or skin sensitisation

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium salt

Maximisation Test - Guinea pig Does not cause skin sensitisation.
Method: OECD Test Guideline 406
Unpublished internal reports

Mutagenicity

[(trifluoromethyl)sulfonyl]-, lithium salt

Genotoxicity in vitro

Methanesulfonamide, 1,1,1-trifluoro-N-

Ames test
with and without metabolic activation

negative
Method: OECD Test Guideline 471
Unpublished internal reports

Chromosome aberration test in vitro Strain:
Human lymphocytes
with and without metabolic activation

negative
Method: OECD Test Guideline 473
Unpublished internal reports

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

Gene mutation assays in mammalian cells.
Strain: mouse lymphoma cells with
and without metabolic activation

negative
Method: OECD Test Guideline 476
Unpublished internal reports

Genotoxicity in vivo

No data available

Carcinogenicity

No data available

Toxicity for reproduction and development

Toxicity to reproduction/Fertility

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium salt

Reproduction/developmental toxicity screening test - Rat, male and female,
Gavage
General Toxicity - Parent NOAEL: < 15 mg/kg
Fertility NOAEL Parent: 30 mg/kg
Developmental Toxicity NOAEL F1: < 15 mg/kg
Method: OECD Test Guideline 421
Unpublished internal reports

Developmental Toxicity/Teratogenicity

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium
salt

Experience with human exposure Reproduction/developmental toxicity
screening test

Rat, male and female, Gavage

Aspiration toxicity

No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic Compartment

Acute toxicity to fish

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium salt

LC50 - 96 h : 88.4 mg/l - Oncorhynchus mykiss (rainbow trout)
semi-static test

Method: OECD Test Guideline 203
(nominal concentrations) Harmful
to fish.
Unpublished internal reports

Acute toxicity to daphnia and other aquatic invertebrates

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium salt

EC50 - 48 h : 14 mg/l - Daphnia magna (Water flea)
static test

Method: OECD Test Guideline 202
Unpublished internal reports
Harmful to aquatic invertebrates.

Toxicity to aquatic plants

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium salt

Scenedesmus subspicatus
Method: OECD Test Guideline 201
(nominal concentrations)
Growth rate

EC50 - 72 h : 178 mg/l

Teratogenicity NOAEL:30mg/kg
Method: OECD Test Guideline 421
Unpublished internal reports

STOT

STOT - single exposure

Methanesulfonamide, 1,1,1-trifluoro-
N-
[(trifluoromethyl)sulfonyl]-, lithium
salt

The substance or mixture is not classified as specific target organ toxicant, single
exposure according to GHS criteria.

May cause damage to organs through prolonged or repeated exposure.

STOT - repeated exposure

Methanesulfonamide, 1,1,1-trifluoro-
N-
[(trifluoromethyl)sulfonyl]-, lithium
salt

Oral exposure 28 Days - Rat , male and female
NOAEL: 10 mg/kg
Target Organs: Liver, Central nervous system
Method: OECD Test Guideline 407
Unpublished internal reports

Methanesulfonamide, 1,1,1-trifluoro-
N-

No data available

[(trifluoromethyl)sulfonyl]-, lithium salt

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

Stability in water

Methanesulfonamide, 1,1,1-trifluoro-N-
[(trifluoromethyl)sulfonyl]-, lithium salt NOEC - 72 h : 5 mg/l

Not harmful to algae (EC/EL50 > 100 mg/L)
Unpublished internal reports

Toxicity to microorganisms

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium
salt

No adverse chronic effect observed up to and including the threshold of 1 mg/L.

EC50 - 3 h : > 1,000 mg/l - activated sludge
Respiration inhibition
Method: OECD Test Guideline 209
Unpublished internal reports

**Chronic toxicity to fish Chronic
toxicity to daphnia and other
aquatic invertebrates**

No data available

No data available

12.2 Persistence and degradability

Abiotic degradation

DT50: Half-life value : > 1 y (25 °C)
Method: OECD Test Guideline 111
Stable
Unpublished internal reports

Physical- and photo-chemical elimination No data available

Biodegradation

Biodegradability

Methanesulfonamide, 1,1,1-trifluoro-
N[(trifluoromethyl)sulfonyl]-, lithium salt

Inherent biodegradability study
Method: OECD Test Guideline 302 B
9 % - 28 Days
The substance does not fulfill the criteria for inherent biodegradability
Unpublished internal reports

Ready biodegradability study:
Method: OECD Test Guideline 301C
3 % - 28 Days
The substance does not fulfill the criteria for ready biodegradability and
ultimate aerobic biodegradability Unpublished internal reports

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water

Methanesulfonamide, 1,1,1-trifluoro-N-
[(trifluoromethyl)sulfonyl]-, lithium salt

Not potentially bioaccumulable
Unpublished internal reports

Bioconcentration factor (BCF)

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

Methanesulfonamide, 1,1,1-trifluoro-N[(trifluoromethyl)sulfonyl]-, lithium salt

Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): < 41
Exposure time: 8 Weeks
Concentration: 0.225 mg/l
Method: OECD Test Guideline 305
Unpublished internal reports

12.4 Mobility in soil

Adsorption potential (Koc)

Methanesulfonamide, 1,1,1-trifluoro-N[(trifluoromethyl)sulfonyl]-, lithium salt

Log Koc: 1.17
Method: OECD Test Guideline 106
Unpublished internal reports

Known

distribution to environmental compartments No data available

Long-term (chronic) aquatic hazard

Methanesulfonamide, 1,1,1-trifluoro-N[(trifluoromethyl)sulfonyl]-, lithium salt

12.5 Results of PBT and vPvB assessment

Methanesulfonamide, 1,1,1-trifluoro-N[(trifluoromethyl)sulfonyl]-, lithium salt

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects Ecotoxicity

assessment

[(trifluoromethyl)sulfonyl]-, lithium salt

Harmful to aquatic organisms.

Short-term (acute) aquatic hazard

Methanesulfonamide, 1,1,1-trifluoro-N-

No adverse chronic effect observed up to and including the threshold of 1 mg/L.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal

Prohibition

- The product should not be allowed to enter drains, water courses or the soil.

Advice on cleaning and disposal of packaging

- Thoroughly empty the packaging prior to incineration.
- Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
- Dispose of in accordance with local regulations.

Compilation Date: 2012-03-23

Revision Date 2020-07-08

SECTION 14: Transport information

CN DG

14.1 UN number UN 2923

14.2 Proper shipping name

14.3 Transport hazard class Subsidiary 8
hazard class: 6.1
Label(s): 8 (6.1)

14.4 Packing group
Packing group II

14.5 Environmental hazards NO

14.6 Special precautions for user

For personal protection see section 8.

IMDG

UN 2923

14.1 UN number

14.2 Proper shipping name
IMDG Code segregation group Not Relevant

14.3 Transport hazard class 8
Subsidiary hazard class: 6.1
Label(s): 8 (6.1)

14.4 Packing group
Packing group II

14.5 Environmental hazards Marine pollutant NO

14.6 Special precautions for user
EmS F-A , S-B

For personal protection see section 8.

14.7 Transport in bulk vessels according to IMO instruments
No data available

IATA

14.1 UN number UN 2923

Compilation Date: 2012-03-23

Revision Date 2020-07-08

14.2 Proper shipping name

14.3 Transport hazard class

8

Subsidiary hazard class:

6.1

Label(s):

8 (6.1)

14.4 Packing group

Packing group

II

14.5 Environmental hazards

NO

14.6 Special precautions for user

Packing instruction (cargo aircraft)

863

Max net qty/pkg

50.00 kg

Packing instruction (passenger aircraft)

859

Max net qty/pkg

15.00 kg

For personal protection see section 8.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Following last version of regulations are applicable for the chemical classification, SDS and label:

- General Rule for classification and hazard communication of chemicals, GB 13690
- Series standards of Safety rules for classification, precautionary labeling and precautionary statements of chemicals, GB 30000.2~GB 30000.29
- General rules for preparation of precautionary label for chemicals, GB 15258
- Safety data sheet for chemical products—Content and order of sections, GB/T 16483
- Decree No. 591 of the State Council of the People's Republic of China: Regulations on the Control over Safety of Hazardous Chemicals
- List of dangerous goods GB12268
- Classification and code of dangerous goods GB6944

Notification status

Inventory Information	Status
United States TSCA Inventory	- All substances listed as active on the TSCA inventory
Canadian Domestic Substances List (DSL)	- Listed on Inventory
Australia Inventory of Chemical Substances (AICS)	- One or more components not listed on inventory

SAFETY DATA SHEET
according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

Japan. CSCL - Inventory of Existing and New Chemical Substances	- Listed on Inventory
Korea. Korean Existing Chemicals Inventory (KECI)	- Listed on Inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	- Listed on Inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	- One or more components not listed on inventory
Taiwan Chemical Substance Inventory (TCSI)	- Listed on Inventory
New Zealand. Inventory of Chemical Substances	- One or more components is not listed on the NZIOC inventory. The HSNO status of the product has not been assessed.
European List of Notified Commercial Substances (ELINCS)	- On the inventory, or in compliance with the inventory

SECTION 16: Other information

Full text of H-Statements

- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H373 May cause damage to organs through prolonged or repeated exposure if swallowed.
- H402 Harmful to aquatic life.
-
-
- H412 Harmful to aquatic life with long lasting effects.

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

- ADR: European Agreement on International Carriage of Dangerous Goods by Road.
- ADN: European Agreement on the International Carriage of Dangerous Goods by Inland Waterways.
- RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
- IATA: International Air Transport Association.
- ICAO-TI: Technical Instructions for Safe Transport of Dangerous Goods by Air.
- IMDG: International Maritime Dangerous Goods.
- TWA: Time weighted average
- ATE: Estimated value of acute toxicity - EC: European Community number - CAS: Chemical Abstracts Service.
- LD50: Substance that causes 50% (half) death in the test animals group (Median Fatal Dose).
- LC50: Substance concentration causing 50% (half) death in the test animals group.
- EC50: Effective Concentration of the substance causing the maximum of 50%.
- PBT: Persistent, Bioaccumulative and Toxic substance.
- vPvB: Very Persistent and Very Bioaccumulative.
- GHS/CLP/SEA: Classification, labeling, packaging regulation
- DNEL: Derived No Effect Level

SAFETY DATA SHEET
according to GB/T 16483 and GB/T 17519

LITFSI PURE

Compilation Date: 2012-03-23

Revision Date 2020-07-08

- PNEC: Predicted No Effect Concentration
- STOT: Specific Target Organ Toxicity

Not all acronyms listed above are referenced in this SDS.

Further information

- Distribute new edition to clients
- Update
- See section 1
- Distribute new edition to clients
- Update
- See section 1

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. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.