Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2021 Version number 4 Revision: 16.12.2021

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

1.1 Product identifier
Trade name: [0,3M LiTFSI in BmimTFSI] : PMMA 60:40 (wt.),50wt% in butanone
Article number: EM003

1.2 Relevant identified uses of the substance or mixture and uses advised against
No other important information available.
- Sector of Use SU24 Scientific research and development
- Product category PC21 Laboratory chemicals
Application of the substance / the mixture This product is intended for the exclusive use of Research and Development

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Solvionic SA
11 chemin des Silos
31100 TOULOUSE
FRANCE
T: +33 (0).32.26.20.20
@: contact@solvionic.com
Further information obtainable from: Department of Regulatory affairs

1.4 Emergency telephone number:
- United Kingdom: Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust, +44 20 7188 7188.
- Ireland: National Poisons Information Centre Beaumont Hospital, +353 1 809 2566 (Healthcare professionals24/7), +353 1 809 2166 (public, 8am - 10pm, 7/7).
- France ORFILA (INRS): +33 (0)1.45.42.59.59.
- Belgique, Belgie/Belgium: Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid Rue Bruyn 1 - 1120 Bruxelles/Brussel. Toutes les questions urgentes concernant une intoxication: 070 245 245 (gratuit, 24/7), si pas accessible 02 264 96 30 (tarif normal). Alle dringende vragen over vergiftigingen: 070 245 245 (gratis, 24/7), of indien onbereikbaar tel. 02 264 96 30 (normaal tarief).
- Sverige/ Sweden: GiftinformationscentralenBox 60 500 : 112 – begär Giftinformation ,+46 10 456 6700 (Från utlandet)
- Ελλάδα / Greece: Poisons Information Centre Children's Hospital P&A Kyriakou, +30 21 07 79 37 77.
- Italia/Italy: Centro Antiveleni di Roma CAV Policlinico "A. Gemelli", Dipartimento di Tossicologia Clinica Universita Cattolica del Sacro Cuore, +39 06 305 4343.
- España/ Spain: Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Madrid, +34 91 562 04 20 (solo emergencias toxicológicas), Información en español (24h/365 días).
- Nederland/ Netherlands (NVIC): Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen, +31 (0)88 755 8000.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2	H225	Highly flammable liquid and vapour.
Acute Tox. 3	H301	Toxic if swallowed.
Acute Tox. 3	H311	Toxic in contact with skin.
Skin Corr. 1B	H314	Causes severe skin burns and eye damage.
Eye Dam. 1	H318	Causes serious eye damage.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H336	May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to the central nervous system and the peripheral nervous system through prolonged or repeated exposure. Route of exposure: Oral.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS05 GHS06 GHS08 GHS09

Signal word Danger

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2021 Version number 4 Revision: 16.12.2021

Trade name: [0,3M LiTFSI in BmimTFSI] : PMMA 60:40 (wt.),50wt% in butanone

(Contd. of page 1)

Hazard-determining components of labelling:
1H-imidazolium, 3-butyl-1-methyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1)
Poly(methyl methacrylate)
butanone
lithium bis(trifluoromethylsulfonyl)imide

Hazard statements
H225 Highly flammable liquid and vapour.
H301+H311 Toxic if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H373 May cause damage to the central nervous system and the peripheral nervous system through prolonged or repeated exposure. Route of exposure: Oral.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

- Description:
Mixture of substances listed below with nonhazardous additions.
Mixture: consisting of the following components.

- Dangerous components:		
CAS: 174899-83-3 EC number: 605-742-4	1H-imidazolium, 3-butyl-1-methyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl] methanesulfonamide (1:1) Acute Tox. 3, H301; Acute Tox. 3, H311; STOT RE 2, H373; Skin Corr. 1B, H314; Aquatic Chronic 2, H411	>25–≤40%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3	butanone; methyl ethyl ketone; ethyl methyl ketone; 2-Butanone; Butan-2-one; MEK Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	>25–≤40%
CAS: 9011-14-7 EC number: 618-466-4	Poly(methyl methacrylate) Skin Sens. 1, H317; Aquatic Chronic 4, H413	>25–≤40%
CAS: 90076-65-6 ELINCS: 415-300-0 Index number: 616-124-00-9	lithium bis(trifluoromethylsulfonyl)imide; 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl] methanesulfonamide lithium salt Acute Tox. 3, H301; Acute Tox. 3, H311; STOT RE 2, H373; Skin Corr. 1B, H314; Aquatic Chronic 3, H412	≤2,5%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General information:
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
In case of irregular breathing or respiratory arrest provide artificial respiration.
. After inhalation:
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
. After skin contact: Immediately wash with water and soap and rinse thoroughly.
. After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
. After swallowing:
Do not induce vomiting; call for medical help immediately.
Call for a doctor immediately.
Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2021 Version number 4 Revision: 16.12.2021

Trade name: [0,3M LiTFSI in BmimTFSI] : PMMA 60:40 (wt.),50wt% in butanone

(Contd. of page 2)

4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
. Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
. For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.

5.3 Advice for firefighters
. Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Use individual protective gear.

6.2 Environmental precautions:
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
. Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities
. Storage:
Requirements to be met by storerooms and receptacles: Store in a cool location.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Additional information about design of technical facilities: No further data; see item 7.

- Ingredients with limit values that require monitoring at the workplace:	
CAS: 78-93-3 butanone	
IOELV (EU)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm
LEP (Spain)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm VLB, VLI
WEL (Great Britain)	Short-term value: 899 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, BMGV

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2021 Version number 4 Revision: 16.12.2021

Trade name: [0,3M LiTFSI in BmimTFSI] : PMMA 60:40 (wt.),50wt% in butanone

(Contd. of page 3)

OEL (Ireland)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, IOELV
AG (Norway)	Long-term value: 220 mg/m³, 75 ppm E
WGW (Netherland)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm
OEL (Sweden)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 150 mg/m³, 50 ppm
HTP (Finland)	Short-term value: 300 mg/m³, 100 ppm Long-term value: 60 mg/m³, 20 ppm iho
CAS: 90076-65-6 lithium bis(trifluoromethylsulfonyl)imide	
OEL (Sweden)	Short-term value: 0,02 mg/m³ som Li; inhalerbar fraktion

Ingredients with biological limit values:	
CAS: 78-93-3 butanone	
VLB (Spain)	2 mg/l Muestra: orina Momento de Muestero: Final de la jornada laboral Indicador Biológico: Metiletilcetona
BMGV (Great Britain)	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one

. Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
- Personal protective equipment:
. General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
. Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
. Protection of hands:

Protective gloves

Neoprene gloves
To minimise the wetness in the glove due to perspiration changing of gloves during a shift is required.
Material of gloves Neoprene gloves
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
. Eye protection:

Tightly sealed goggles

. Body protection: Use protective suit.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
- General Information
. Appearance:

Form:	Viscous liquid
Color:	Colorless to yellow
. Odor:	Not determined.
. Odor threshold:	Not determined.
- pH-value:	Not determined

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2021 Version number 4 Revision: 16.12.2021

Trade name: [0,3M LiTFSI in BmimTFSI] : PMMA 60:40 (wt.),50wt% in butanone

(Contd. of page 4)

- Change in condition	
. Melting point/freezing point:	Undetermined.
. Initial boiling point and boiling range:	79–80,5 °C
- Flash point:	20 °C
- Flammability (solid, gas):	Not applicable.
. Ignition temperature:	514 °C
. Decomposition temperature:	Not determined.
- Auto-ignition temperature:	Product is not selfigniting.
- Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- Explosion limits:	
. Lower:	1,8 Vol %
. Upper:	11,5 Vol %
- Vapour pressure at 20 °C:	105 hPa
- Density at 20 °C:	1,02 g/cm³
. Relative density	Not determined.
. Vapour density	Not determined.
. Evaporation rate	Not determined.
- Solubility in / Miscibility with	
. water:	Not miscible or difficult to mix.
- Partition coefficient: n-octanol/water:	Not determined.
- Viscosity:	
. Dynamic:	Not determined.
. Kinematic:	Not determined.
- Solvent content:	
. Organic solvents:	32,0 %
. VOC (EC)	32,00 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: Strong oxidizer and strong base.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity
Toxic if swallowed or in contact with skin.

LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral	LD50	245 mg/kg
Dermal	LD50	735 mg/kg

CAS: 174899-83-3 1H-imidazolium, 3-butyl-1-methyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1)		
Oral	LD50	100 mg/kg (ATE)
Dermal	LD50	300 mg/kg (ATE)
CAS: 78-93-3 butanone		
Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)
CAS: 90076-65-6 lithium bis(trifluoromethylsulfonyl)imide		
Oral	LD50	100 mg/kg (ATE)
Dermal	LD50	300 mg/kg (ATE)

- Primary irritant effect:
. Skin corrosion/irritation
Causes severe skin burns and eye damage.
. Serious eye damage/irritation
Causes serious eye damage.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2021 Version number 4 Revision: 16.12.2021

Trade name: [0,3M LiTFSI in BmimTFSI] : PMMA 60:40 (wt.),50wt% in butanone

(Contd. of page 5)

- Respiratory or skin sensitisation
May cause an allergic skin reaction.
Additional toxicological information:

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
. Germ cell mutagenicity Based on available data, the classification criteria are not met.
. Carcinogenicity Based on available data, the classification criteria are not met.
. Reproductive toxicity Based on available data, the classification criteria are not met.

- Specific target organ toxicity - single exposure
May cause drowsiness or dizziness.

- Specific target organ toxicity - repeated exposure
May cause damage to the central nervous system and the peripheral nervous system through prolonged or repeated exposure. Route of exposure: Oral.

- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.
Ecotoxical effects:
Remark: Toxic for fish
Additional ecological information:
General notes:
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue	
HP3	Flammable
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP6	Acute Toxicity
HP8	Corrosive
HP13	Sensitising
HP14	Ecotoxic

Uncleaned packaging:
. Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number
ADR/RID/ADN, IMDG, IATA UN3286

14.2 UN proper shipping name
ADR/RID/ADN UN3286 FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), 1H-imidazolium, 3-butyl-1-methyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1)), ENVIRONMENTALLY HAZARDOUS

IMDG FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), 1H-imidazolium,

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2021 Version number 4 Revision: 16.12.2021

Trade name: [0,3M LiTFSI in BmimTFSI] : PMMA 60:40 (wt.),50wt% in butanone

(Contd. of page 6)

IATA	3-butyl-1-methyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl] methanesulfonamide (1:1)), MARINE POLLUTANT FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), 1H-imidazolium, 3-butyl-1-methyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl] methanesulfonamide (1:1))
14.3 Transport hazard class(es)	
ADR/RID/ADN	
	
Class	3 Flammable liquids.
Label	3+6.1+8
IMDG	
	
Class	3 Flammable liquids.
Label	3/6.1/8
IATA	
	
Class	3 Flammable liquids.
Label	3 (6.1, 8)
14.4 Packing group	
ADR/RID/ADN, IMDG, IATA	II
14.5 Environmental hazards:	Product contains environmentally hazardous substances: 1H-imidazolium, 3-butyl-1-methyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1)
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR/RID/ADN):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	368
EMS Number:	F-E,S-C
Stowage Category	B
Stowage Code	SW2 Clear of living quarters.
Segregation Code	SG5 Segregation as for class 3 SG8 Stow "away from" class 4.1
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR/RID/ADN	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 3286 FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), 1H-IMIDAZOLIUM, 3-BUTYL-1-METHYL-, SALT WITH 1,1,1-TRIFLUORO-N-[(TRIFLUOROMETHYL)SULFONYL] METHANESULFONAMIDE (1:1)), 3 (6.1+8), II, ENVIRONMENTALLY HAZARDOUS

UE

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2021 Version number 4 Revision: 16.12.2021

Trade name: [0,3M LiTFSI in BmimTFSI] : PMMA 60:40 (wt.),50wt% in butanone

(Contd. of page 7)

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.
Hazard pictograms

GHS02 GHS05 GHS06 GHS08 GHS09

Signal word Danger
Hazard-determining components of labelling:
1H-imidazolium, 3-butyl-1-methyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1)
Poly(methyl methacrylate)
butanone
lithium bis(trifluoromethylsulfonyl)imide
Hazard statements
H225 Highly flammable liquid and vapour.
H301+H311 Toxic if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H373 May cause damage to the central nervous system and the peripheral nervous system through prolonged or repeated exposure. Route of exposure: Oral.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category
E2 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS
Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

15.2 Chemical safety assessment: For this product, no chemical safety assessment has been performed.

SECTION 16: Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

For research and development use only.
Relevant phrases
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.
Department issuing SDS: Regulatory affairs department

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2021 Version number 4 Revision: 16.12.2021

Trade name: [0,3M LiTFSI in BmimTFSI] : PMMA 60:40 (wt.),50wt% in butanone

(Contd. of page 8)

Contact:
Email: hse@solvionic.com
Phone number: +33 (0)5.34.63.35.35

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4