Chemical Safety Data Sheet EU REGULATION 2020/878

Section 1 IDENTIFICATION

GHS Product identifier:

Other means of identification:
All-season polyurethane foam Expert ASTER® Professional PU-750-EXP-G

Recommended use of the chemical and restrictions on use:
Manufacturer details: LINYI JOINT NATURE CHEMICAL CO., LTD.
MIDDLE OF №2 GONGYE ROAD, LANSHAN INDUSTRIAL PARK,
LANSHAN DISTRICT, LINYI, SHANDONG, PRC, 276015, CHINA.
Emergency phone number: 13562965767

Section 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture:
Aerosols Category 1
Acute toxicity, inhalation Category 4
Skin corrosion/irritation Category 3
Serious eye damage/eye irritation Category 2
Carcinogenicity Category 2
Reproductive toxicity (additional)
Specific target organ toxicity, repeated exposure Category 1 (inhalation, lung)
GHS Label elements, including precautionary statements:
Symbol:

Signal word: Danger
Hazard statement(s): Extremely flammable aerosol. Pressurized container: may burst if heated. Harmful inhaled. Causes mild skin irritation. Causes serious eye irritation. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure (inhalation, lung).
Precautionary statement(s):
Prevention:
Obtain, read and follow all safety instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or with adequate ventilation. Wash hands [and ...] thoroughly after handling. Do not touch eyes. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
Response:
If skin irritation occurs: Get medical help. If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical help. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help. If exposed or concerned, Get medical advice. Get medical help if you feel unwell.
Storage:

Protect from sunlight. Do not expose to temperatures exceeding 50℃/122℉. Store locked up.
Disposal:
Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards which do not result in classification: /

Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	**CAS No.**	**Concentration**
Polyether polyols	9003-11-6	10%
Silicone oil	63148-62-9	1%
Chlorinated paraffin	106232-86-4	52%
Polymethylene polyphenyl isocyanate	9016-87-9	20%
Dimethyl ether	115-10-6	7%
Propane/Butane	74-98-6/106-97-8	10%

Section 4 FIRST AID MEASURES

Description of necessary first aid measures
If inhaled: Quickly leave and move to a place with fresh air. Keep the airway unobstructed. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration immediately. Consult a physician.
In case of skin contact: Remove contaminated clothing and wash off with plenty of running water.
In case of eye contact: Rinse thoroughly with plenty of running water for at least 15 minutes and consult a physician.
If ingestion: Rinse mouth with water.
Most important symptoms/effects, acute and delayed: /
Indication of immediate medical attention and special treatment needed, if necessary: /

Section 5 FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, dry powder, foam, etc.
Special hazards arising from the chemical: It can spray flammable gas and the container can burst when it is heated.
Special protective actions for fire-fighters: Firefighters must wear air breathing apparatus, fire-fighting suits and protective gloves to extinguish in the upwind direction. Whenever possible, remove the container from the fire to open space and use spray water to cool unopened containers.

Section 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: It is recommended that emergency personnel wear protective masks and fire protective overalls. Do not touch the spill directly.
Environmental precautions: Isolate contaminated areas and restrict access.
Methods and materials for containment and cleaning up: Ensure adequate ventilation in leak area.

Section 7 HANDLING AND STORAGE

Precautions for safe handling: There should be sufficient local exhaust in workplace. Operators should be trained and strictly follow the operating procedures. Operators are advised to wear normal protective clothing. Operators should load and unload lightly during handling to prevent damage to the package. There should be leakage treatment equipment in workplace.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry, well-ventilated warehouse. Keep away from fire and heat. Protect from direct sunlight. It should be stored separately from flammable materials, etc.

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: /
Appropriate engineering controls: Close strictly and provide sufficient local exhaust.
Individual protection measures
Eye/face protection: Wear a protective mask.
Skin protection: Wear normal protective clothing.
Respiratory protection: Air respirators should be worn during emergency rescue or evacuation.
Thermal hazards: /

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	An iron can contains a mixture of high-pressure gas and liquid.
Colour	White.
Odour	/
Melting point/freezing point	/
Boiling point or initial boiling point and boiling range	/
Flammability	Flammable aerosol.
Lower and upper explosion limit/flammability limit	/
Flash point	/
Auto-ignition temperature	/
Decomposition temperature	/
pH	/
Kinematic viscosity	/
Solubility	/
Partition coefficient: n-octanol/water (log value)	/
Vapour pressure	/
Density and/or relative density	/
Relative vapour density	/
Particle characteristics	/

Section 10 STABILITY AND REACTIVITY

Reactivity: /
Chemical stability: The material is stable in normal temperature.
Possibility of hazardous reactions: /
Conditions to avoid: Spark, high temperature and static electricity.
Incompatible materials: Flammable materials.
Hazardous decomposition products: Carbon oxides, nitrogen oxides, etc.

Section 11 TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Ingestion (swallowing), skin/eye exposure and inhalation.
Symptoms related to the physical, chemical and toxicological characteristics:
Acute health effects:
Ingestion can cause symptoms such as nausea, vomiting and abdominal pain.
Skin contact can cause redness and irritation.
Inhalation can cause cough, throat irritation, allergy, breathing difficulties, etc.
Eyes contact can cause redness and irritation.
Chronic health effects: Repeated or prolonged exposure may cause skin allergy and damage lung.
Numerical measures of toxicity (such as acute toxicity estimates):
Polymethylene polyphenyl polyisocyanate:
LD50(oral, rat): >10000 mg/kg
LD50(dermal, rabbit): >9400 mg/kg
LC50(inhalation, rat): 0.490 mg/l 4h
Propane:
LC50(inhalation, guinea pig): >38890 ppm 4h
n-Butane:
LC50(inhalation, rat): 276798.8 ppm 4h
Dimethyl ether:
LC50(inhalation, rat): 164000 ppm 4h

Section 12 ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available):
n-Butane:

Endpoint	Test Duration (hr)	Species	Value
EC50	96h	Algae or other aquatic plants	7.71mg/l
EC50(ECx)	96h	Algae or other aquatic plants	7.71mg/l
LC50	96h	Fish	24.11mg/l

Dimethyl ether:

Endpoint	Test Duration (hr)	Species	Value
EC50	96h	Algae or other aquatic plants	154.917mg/l
EC50	48h	Crustacea	>4400mg/l
NOEC(ECx)	48h	Crustacea	>4000mg/l
LC50	96h	Fish	1783.04mg/l

Persistence and degradability: Low (Propane)/Low (n-Butane)/Low (Dimethyl ether).
Bioaccumulative potential: Low (Propane)/Low (n-Butane)/Low (Dimethyl ether).
Mobility in soil: Low (Propane)/Low (n-Butane)/High (Dimethyl ether).
Other adverse effects: /

Section 13 DISPOSAL CONSIDERATIONS

Disposal methods: Dispose this product by safe burial. Damaged containers are prohibited from being reused and should be buried in the prescribed place.

Section 14 TRANSPORT INFORMATION

UN number: 1950.
UN proper shipping name: AEROSOLS.
Transport hazard class(es): 2.1.

Packing group, if applicable: /
Environmental hazards: /
Special precautions for user: /
Transport in bulk according to IMO instruments: /

Section 15 REGULATORY INFORMATION

Regulations: This safety data sheet is in compliance with the following national standards: GB/T 16483-2008, GB 13690-2009, GB 18218-2018, GB 15258-2009, GB 6944-2012, GB 190-2009, GB/T 191-2008, GB 12268-2012, GB/T 15098-2008, GBZ 2.1-2019, GBZ 2.2-2007 as well as the following regulations Rai way Dangerous Goods Transport Administrative Regulation, Dangerous Chemicals Safety Administrative Regulation.

Section 16 OTHER INFORMATION

References	UN Recommendations on the Transport of Dangerous Goods Model Regulations UN Globally Harmonized System of Classification and Labelling of Chemicals
Form Date	28-August-2024

Note 1: When products contain two or more hazardous substances, Safety Data Sheets should be prepared based on the risk of the mixture
Note 2: Manufacturer/supplier should ensure the correctness of the information contained in the safety data sheets, and updated in a timely manner.
Note 3: As a result of product features without the existence of certain information or no data available (such as boiling point does not exist for the solid) in the table with "/" logo.