

Chemical Safety Data Sheet

Section 1 IDENTIFICATION

GHS Product identifier:

Other means of identification: Primer Spray Aster® PRM-BLK, PRM-WHT

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:

Section 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Aerosols Category 2

Serious eye damage/eye irritation Category 2

Carcinogenicity Category 2

Specific target organ toxicity, single exposure Category 3

Specific target organ toxicity, repeated exposure Category 2

GHS Label elements, including precautionary statements:

Symbol:



Signal word: Danger

Hazard statement(s): Flammable aerosol. Pressurized container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Causes damage to organs <respiratory organs> through prolonged or repeated exposure.

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. Wash hands [and ...] thoroughly after handling. Do not touch eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or with adequate ventilation. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

Response:

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. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell.

Storage:

Store in a well ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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
Butyl acetate	123-86-4	9%
Dimethyl ether	115-10-6	35%
Auxiliary	/	1%
Ethyl acetate	141-78-6	15%
Methylene chloride	75-09-2	10%
Carbon Black	1333-86-4	5%
Acrylic acid homopolymer	9003-01-4	25%

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. Do not induce vomit.

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 foam 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:
Occupational Exposure Limits (OEL)

Source	Material name	TWA	STEL
China Occupational Exposure Limits for Hazardous Agents in the Workplace	Butyl acetate	200 mg/m ³	300 mg/m ³
	Ethyl acetate	200 mg/m ³	300 mg/m ³
	Methylene chloride	200 mg/m ³	/
	Carbon Black	4 mg/m ³	/

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	/
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: Oxycarbides, 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 and throat irritation.

Eyes contact can cause redness and irritation.

Chronic health effects: Repeated or prolonged exposure may cause skin allergy.

Numerical measures of toxicity (such as acute toxicity estimates):

Dimethyl ether:

LC50 (inhalation, rat): 164000 ppm 4h

Methylene chloride:

LD50 (oral, rat): 1600 mg/kg

LD50 (dermal, rat): >2000 mg/kg

LD50 (inhalation, rat): 76 mg/L 4h

Butyl acetate:

LD50 (oral, rabbit): 3200 mg/kg

LD50 (inhalation, rat): 0.74 mg/ L 4h

LD50 (dermal, rabbit): 3200 mg/kg

Ethyl acetate:

LD50 (oral, rat): 4100 mg/kg

LD50 (inhalation, rat): >18 mg/ L 4h

LD50 (dermal, rabbit): >1800 mg/kg

Carbon Black:

LD50 (oral, rat): >2000 mg/kg

LD50 (dermal, rabbit): >2000 mg/kg

Section 12 ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available):

Dimethyl ether:

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

Methylene chloride:

Endpoint	Test Duration (hr)	Species	Value
EC50(ECx)	96h	Algae or other aquatic plants	0.98mg/l
EC50	72h	Algae or other aquatic plants	202-286 mg/l
EC50	48h	Crustacea	150-218mg/l
LC50	96h	Fish	2-3.3 mg/l
EC50	96h	Algae or other aquatic plants	0.98 mg/l

Butyl acetate:

Endpoint	Test Duration (hr)	Species	Value
EC50	72h	Algae or other aquatic plants	246 mg/l
EC50	48h	Crustacea	32 mg/l
EC50(ECx)	96h	Fish	18 mg/l
LC50	96h	Fish	17-19 mg/l

Ethyl acetate:

Endpoint	Test Duration (hr)	Species	Value
EC50	72h	Algae or other aquatic plants	1800-3200 mg/l

EC50	48h	Crustacea	164 mg/l
LC50	96h	Fish	>75.6 mg/l
NOEC(ECx)	72h	Algae or other aquatic plants	>100 mg/l
EC50	96h	Algae or other aquatic plants	2500 mg/l
Carbon Black:			
Endpoint	Test Duration (hr)	Species	Value
EC50	72h	Algae or other aquatic plants	>0.2 mg/l
EC50	48h	Crustacea	33.076-41.968 mg/l
LC50	96h	Fish	>100 mg/l
NOEC(ECx)	24h	Crustacea	3200 mg/l
Persistence and degradability:			
Ingredient	Persistence: Water/Soil	Persistence: Air	
Dimethyl ether	LOW	LOW	
Methylene chloride	LOW (Half-life = 56 days)	HIGH (Half-life = 191 days)	
Butyl acetate	LOW	LOW	
Ethyl acetate	LOW (Half-life = 14 days)	LOW (Half-life = 14.71 days)	
Bioaccumulative potential:			
Ingredient	Bioaccumulation		
Dimethyl ether	LOW (LogKOW = 0.1)		
Methylene chloride	LOW (BFC = 40)		
Butyl acetate	LOW (BFC = 14)		
Ethyl acetate	HIGH (BFC = 3300)		
Mobility in soil:			
Ingredient	Mobility		
Dimethyl ether	HIGH (KOC = 1.292)		
Methylene chloride	LOW (KOC = 23.74)		
Butyl acetate	LOW (BCF = 14)		
Ethyl acetate	LOW (Log KOC = 6.131)		
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-Aug-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.