

Safety Data Sheet

According to GB/T16483-2008 AND GB/T 17519-2013

High Boiling Aromatic Solvent S-100A

Version 2.1

Issue date: 01/07/2023

Revision date:01/07/2023

SDS Record Number: SDS-HL-S100A-230702

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: High Boiling Aromatic Solvent S-100A
Additional identification: .
Identification of the product: CAS#64742-95-6
Index Number: 649-356-00-4
REACH registration No.: Not available.

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

The production of paint, pesticides, hydrogen peroxide, water treatment chemicals, oilfield chemicals, etc.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier (Only representative): -
Supplier (Manufacturer): Jiangsu Hualun Chemical Industry Co., Ltd.
Address: No.39 Renmin Middle Road, Dinghuo Town, Jiangdu City ,
Jiangsu Province, China
Contact person (E-mail): yzhl@hualunchem.com
Telephone: +86-514-86507985
Fax: +86-514-86501755

1.4 Emergency telephone Number:

+86-514-86507985

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

Emergency overview:

Physical State: Liquid Form: Clear Color: Colorless Odor: Aromatic

The substance is classified as following according to the General Rules for Classification and Hazard Communication of Chemicals (GB 13690-2009)

2.1.1 Classification:

Hazard classes/Hazard categories	
Flammable Liquid:	Category 3
Skin Irritation	Category 3
Carcinogen:	Category 2
Aspiration toxicant	Category 1
Acute aquatic toxicant	Category 2
Chronic aquatic toxicant	Category 2

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Specific target organ toxicant (central nervous system)	Category 3
Specific target organ toxicant (respiratory irritant)	Category 3

2.2 label elements:

Hazard Pictograms:



Signal Word(S):

Danger

Hazard Statement:

H226: Flammable liquid and vapour
H304: May be fatal if swallowed and enters airways
H316: Causes mild skin irritation
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer.
H411: Toxic to aquatic life with long lasting effects.

Environmental:

Precautionary statement:

Prevention:

P201: Obtain special instructions before use.
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.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

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/ shower.
P308 + P313: IF exposed or concerned: Get medical advice/attention.
P331: Do NOT induce vomiting.
P370 + P378: In case of fire: Use foam, water fog, dry chemical powder, carbon dioxide, other inert gases, sand or earth to extinguish.

Storage:

P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

Disposal:

P501: Dispose of contents and container in accordance with local regulations.

2.3 Other hazards:

Not applicable.

Section 3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Solvent naphtha (petroleum), Light arom	N/A	64742-95-6	265-199-0	100%

Hazardous Constituent(s) Contained in Complex Substance(s) required for disclosure

Name	CAS#	Concentration*	GHS Hazard Codes
CUMENE	98-82-8	0.1 - <2%	H226, H304, H335, H351, H401, H411
MESITYLENE (1,3,5-TRIMETHYLBENZENE)	108-67-8	5 - < 15%	H226, H335, H401, H411
Naphthalene	91-20-3	< 0.2%	H302, H351, H400(M factor 1), H410(M factor 1)
PSEUDOCUMENE (1,2,4-TRIMETHYLBENZENE)	95-63-6	<38%	H226, H332, H335, H315, H319(2A), H401, H411

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Remove the source of contamination or move victim to fresh air. Keep respiratory tract smooth. If breathe hard, administer oxygen by a trained person.

4.1.2 In case of skin contact:

Immediately take off the all contaminated clothing, wash skin with soap and flush with large amounts of water. If irritation continues, get medical attention. Wash contaminated clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency.

4.1.3 In case of eyes contact:

Immediately flush eyes with plenty of water or normal saline for at least 15 minutes. Get medical attention.

4.1.4 In case of ingestion:

If large quantity swallowed, give lukewarm water if victim completely conscious/alert. Do not induce vomiting. Risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed:

May be fatal if swallowed and enters airways. May cause genetic defects. May cause cancer.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Foam, water fog, dry chemical powder, carbon dioxide, other inert gases, sand or earth.

Unsuitable extinguishing media: Direct water jets.

5.2 Special hazards arising from the substance or mixture

Oxides of Carbon and various organic compounds.

5.3 Advice for firefighters:

Firefighters must wear fire resistant protective equipment. Wear approved respirator and protective gloves.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if vapor is generated.

6.2 Environmental Precautions:

Do not allow material to be released to the environment without proper governmental permits.

6.3 Methods for Containment and Cleaning up:

Small Spills: Absorb with earth, sand or other non-combustible material, collect and seal in properly labeled containers for later disposal.

Large Spills: Clear spill area of all non-emergency personnel. Dike and contain spill. Prevent entry into sewers, waterways.

Remove with vacuum trucks or pump to specific container, collect and deliver to the authorized agent in the local area for disposal.

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 information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Always store in tightly sealed, properly labeled, original container. Containers should be grounded to prevent electrostatic accumulation hazard. Store in a cool, dry well ventilated area. Use non-sparking tools and equipment.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Not available.

8.1.2 Additional exposure limits under the conditions of use:

Not available.

8.1.3 DNEL/DMEL and PNEC-Values:

Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection:

Eye Protection when pouring. Goggles, safety glasses with side shields are

	recommended.
Hand protection:	Wear chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.
Body protection:	Use protective clothing that is chemical resistant to this material. Selection of PPE depends on potential exposure conditions and may include gloves, boots, suits and other items.
Respiratory protection:	Where adequate ventilation is not available an approved respirator (OSHA) for organic vapors must be worn. In confined areas, use a self-contained breathing apparatus (SCBA).
Thermal hazards:	Wear suitable protective clothing to prevent heat.
8.2.3 Environmental exposure controls:	Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Colour:	Colorless
Odour:	hydrocarbon odor
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	< -60 °C
Boiling point/range (°C):	152-178°C
Flash point (°C):	≧ 42°C
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	<= 7.0 %/>= 1.0 %
Vapour pressure:	0.2kPa (20°C)
Vapour density:	4.2@101kPa
Relative density:	0.860 - 0.875(20 °C)
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Not available
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	< 1 mm ² /s (25°C)
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	120

9.2. Other information:

Fat solubility(solvent– oil to be specified)	Not available
etc:	

Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. Heat, flames, ignition sources.
10.5 Incompatible materials:	Strong oxidants.
10.6 Hazardous decomposition products:	Oxides of Carbon and various organic compounds.

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	
LD50(Oral, Rat):	> 5000 mg/kg bw
LD50(Dermal, Rabbit):	> 2000 mg/kg bw
LC50(Inhalation, Rat):	> 5610 mg/m ³ 4h
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	May cause genetic defects.
Carcinogenicity:	May cause cancer.
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	May be fatal if swallowed and enters airways.

Section 12 Ecological information

12.1 Ecotoxicity:

Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability:	Readily biodegradable.
12.3 Bioaccumulative potential:	Not available.
12.4 Mobility in soil:	Not available.
12.5 Results of PBT&vPvB assessment:	The substance is not PBT / vPvB.
12.6 Other adverse effects:	Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:	Due to the high risk of contamination recycling/recovery is not recommended. Waste disposal in accordance with regulations (most probably controlled incineration).
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Section 14 Transport information			
	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	1268	1268	1268
UN Proper shipping name	PETROLEUM DISTILLATES, N.O.S.	PETROLEUM DISTILLATES, N.O.S.	PETROLEUM DISTILLATES, N.O.S.
Transport hazard Class	3	3	3
Packaging group	III	III	III
Marine Pollutant	Yes	Yes	Yes
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	IBC02	IBC02	IBC02

Section 15 Regulation information

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

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations:

Not applicable

15.2 Chemical Safety Assessment has been carried out?

YES

NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment 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 Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.