



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Benzenesulfonyl Hydrazide
CAS-No. : 80-17-1
Synonym: Benzene Sulfonyl Hydrazide; BSH; Blowing Agent BSH
Company : Jiaxing Kingvolt Import & Export Co.,Ltd
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : $C_6H_8N_2O_2S$

CAS-No.	EC-No.	Index-No.	Concentration
80-17-1	201-255-2		>98%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Highly flammable.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation. May be harmful if absorbed through the skin.

Ingestion:

May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation:

May cause respiratory tract irritation. May be harmful if inhaled.

Chronic:

Not available.

4. FIRST AID MEASURES

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Get medical aid. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately.

Notes to Physician:

Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Flammable solid.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

6. ACCIDENTAL RELEASE MEASURES**General Information:**

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Remove all sources of ignition.

Use a spark-proof tool.

7. HANDLING AND STORAGE**Handling:**

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:

Store in a cool, dry place. Store in a tightly closed container. Flammables-area. Store protected from light.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls:**

Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

Personal Protective Equipment

Eyes:

Wear chemical goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State:**

Powder

Color:

white

Odor:

Not available.

pH:

Not available.

Vapor Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	100 - 104°C
Autoignition Temperature:	Not applicable.
Flash Point:	110°C (230.00°F)
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	Not available.
Solubility in water:	
Specific Gravity/Density:	
Molecular Formula:	C ₆ H ₈ N ₂ O ₂ S
Molecular Weight:	172.2

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable. However, may decompose if heated.

Conditions to Avoid:

High temperatures, incompatible materials.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong bases.

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide.

Hazardous Polymerization:

Has not been reported.

11. TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 80-17-1: DB6888000

LD50/LC50:

Not available.

Carcinogenicity:

Benzenesulfonyl hydrazide -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

12. ECOLOGICAL INFORMATION

None known.

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

IATA

Shipping Name: SELF-REACTIVE SOLID TYPE D*

Hazard Class: 4.1

UN Number: 3226

Packing Group: II

IMO

Shipping Name: SELF-REACTIVE SOLID TYPE D (Benzene sulphonylhydrazide)

Hazard Class: 4.1

UN Number: 3226

Packing Group: II

RID/ADR

Shipping Name: SELF-REACTIVE SOLID TYPE D (BENZENE SULPHONYLHYDRAZIDE)

Hazard Class: 4.1

UN Number: 3226

Packing group: II

15. REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: F

Risk Phrases: R 11 Highly flammable.

Safety Phrases: S 16 Keep away from sources of ignition - No smoking.

WGK (Water Danger/Protection)

CAS# 80-17-1: No information available.

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 80-17-1 is listed on Canada's DSL List.

CAS# 80-17-1 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 80-17-1 is listed on the TSCA inventory.

16. OTHER INFORMATION

Further information

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