



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : N-Butyl Benzene Sulfonamide
CAS-No. : 3622-84-2
Synonym: BBSA; N-Butyl Benzenesulfonamide; N-Butyl Benzene Sulphonamide
Company : Jiaxing Kingvolt Import & Export Co.,Ltd
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : $C_{10}H_{15}NO_2S$

CAS-No.	EC-No.	Index-No.	Concentration
N-Butyl Benzene Sulfonamide			
3622-84-2	222-823-6		>99%

3. HAZARDS IDENTIFICATION

Emergency Overview:

Do not breathe vapors; do not ingest; avoid contact with skin, eyes, or clothing. Wash thoroughly after handling; do not eat, drink, or smoke in work areas.

Potential Health Effects:

May cause skin irritation. Inhalation of mist may cause irritation to the respiratory tract.

Eye Contact:

May cause burning sensation, irritation accompanied with pain and corneal or conjunctival ulceration in severe cases.

Skin Contact:

May cause irritation, stinging, redness, and some swelling.

Ingestion:

May cause severe burning in the mouth and digestive tract.

Chronic:

None known.

4. FIRST AID MEASURES

Inhalation:

Remove to fresh air if coughing, soreness in respiratory tract, chest tightness, or difficulty in breathing occurs.

Eye Contact:

Immediately flush with large quantities of water for at least 15 minutes, while holding the eyelids open. Do

not attempt to neutralize with chemical agents. Contact a physician if irritation persists.

Skin Contact:

Immediately remove contaminated clothing and flush area with large quantities of water for at least 15 minutes. Contact a physician if irritation persists.

Ingestion:

If patient is conscious, give several glasses of water for dilution effect and contact a physician. Do not induce vomiting. Do not give an unconscious person anything by mouth.

5. FIRE-FIGHTING MEASURES

Flash Point:

400°F (204°C) Cleveland Open Cup

General Hazard:

Treat as burning oil.

Fire Fighting Instructions:

Extinguishing media--water fog or spray; carbon dioxide; foam; or earth and mud.

Hazardous Combustion Products:

Burning of material may release toxic oxides of Carbon, Nitrogen, and Sulfur.

6. ACCIDENTAL RELEASE MEASURES

Land Spill:

Evacuate area of nonessential personnel. Ventilate area as required. Prevent spill from entering drinking water supplies or streams.

Water Spill:

Remove product layered on water by mechanical means. Place spill in appropriate container for disposal in approved facilities.

7. HANDLING AND STORAGE

Storage Temperature: Ambient

Storage Pressure: Pressureless

General: Store in cool, dry, and well-ventilated area. Keep containers closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Control to comfort level. Hot vapors should be vented to an emission control device.

Personal Protection:

Splash-proof goggles with rubber, PVC, or impervious chemical gloves.

Respirator:

None required. Use NIOSH organic vapor cartridge respirator for remediation of large spills.

Protective Clothing:

Impervious chemical clothing for remediation of large spills.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure : 0.35 mm Hg @ 150°C

Vapor Density (Air = 1) : ND

Specific Gravity : 1.15

Evaporation Rate : < 1 (Butyl Acetate = 1)

Solubility in Water :	Practically insoluble
Freezing Point :	ND
pH :	7 - 9
Odor :	None
Boiling Point :	314°C
Appearance :	Clear, colorless, viscous liquid
Viscosity :	165 cps
Physical State :	Liquid

10. STABILITY AND REACTIVITY

General:

Stable

Incompatible Materials and Conditions to Avoid:

Contact with acids and strong oxidizing agents may cause a low energy release.

Hazardous Decomposition:

Oxides of carbon and nitrogen can be liberated at high temperatures and under fire conditions.

11. TOXICOLOGICAL INFORMATION

The following information is reported in technical and trade literature:

LD50 Oral rat:	1725-2050 mg/Kg
LD50 Dermal, rabbit:	Greater than 1150 mg/Kg
Effect on eyes:	Slight irritation (rabbit)

Effect on skin:

No irritation (quinea pig). May cause reddening and swelling on human skin.

Repeated oral application:

In animal experiments (on cats) doses of 50 mg/Kg body weight produced functional disturbances on the central and peripheral nervous system, muscular atrophy, weight loss and susceptibility to infection. Similar results have been reported with New Zealand white rabbits.

Inhalation Toxicity:

LC50 in inhalation rat: Greater than 400 mg as aerosol/M3 , 4 hours of exposure.

Note:

Formation of toxic fumes and gases may occur at elevated processing temperatures.

Special Properties/ Effects:

Toxic amounts can be absorbed through the skin.

12. ECOLOGICAL INFORMATION

None known.

13. DISPOSAL CONSIDERATIONS

This product is registered by TSCA. The product should be incinerated, according to state Federal regulations.

14. TRANSPORT INFORMATION

Nonhazardous; not regulated by DOT.

15. REGULATORY INFORMATION

This product is registered by TSCA and DSL (Canada). This product is hazardous as defined by OSHA (29 CFR 1910.1200): May cause respiratory tract sensitization.

EINECS No.: 222-823-6

ENCS No.: 3-1301X (Japan)

ECL Serial No.: 3-1035 (Korea)

16. OTHER INFORMATION

Further information

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