

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Uniplex 214

Synonyms: N-Butylbenzenesulfonamide

MANUFACTURER:

Unitex Chemical Corporation
520 Broome Road
P.O. Box 16344
Greensboro, NC 27406

EMERGENCY TELEPHONE NUMBERS:

Emergency Telephone Number: CHEMTREC 1 (800) 424-9300
International 1 (703) 527-3887
Telephone Number for Information:
(336) 378-0965 (Monday - Friday 8:00 a.m. - 5:00 p.m.)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>% (optional)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>CAS NO.</u>
N-Butylbenzenesulfonamide		Not Established		3622-84-2

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.

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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.

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8. EXPOSURE CONTROL/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	: <u>0.35 mm Hg @ 150°C</u>	Vapor Density (Air = 1)	: <u>ND</u>
Specific Gravity	: <u>1.15</u>	Evaporation Rate	: <u>< 1 (Butyl Acetate = 1)</u>
Solubility in Water	: <u>Practically insoluble</u>	Freezing Point	: <u>ND</u>
pH	: <u>7 - 9</u>	Odor	: <u>None</u>
Boiling Point	: <u>314°C</u>	Appearance	: <u>Clear, colorless, viscous liquid</u>
Viscosity	: <u>165 cps</u>	Physical State	: <u>Liquid</u>

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.

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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

N-Butylbenzenesulfonamide is not listed by IARC, ACGIH, NTP or OSHA as a carcinogen.

WHMIS Information: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is: D2A- may cause respiratory tract sensitization following exposure to hot vapors.

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MSDS Status: Update to ANS1Z400.1-1993 format

	HAZARD RATINGS	
	NFPA	HMIS
Health	1	1
Flammability	1	1
Reactivity	0	0

Revision Summary:

3/13/97 - J. Day

12/31/97 - G. Hooper

1/26/98 - J. Day

8/27/99 - J. Day

8/22/02 - J. Day Review only (no chg's)

6/3/05 - J. Day Review only (no chg's)

6/23/09-D.Young Update Format