



MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**
62/A-2 2nd Stage, Industrial Suburb
Ashokpuram School Road, Yeshwanthpur
Bangalore-560 022, INDIA
Ph: +91-80-2337 8354, Fax: +91-80-2357

Barium Sulfate- 02510

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:
Barium Sulfate

Catalog Numbers:
B/1120, BP/B120

Synonyms:
Artificial barite, enamel white, permanent white, sulfuric acid barium salt.

Company Information:
LEONID CHEMICALS
62/A-2 1st Stage, Yeshwanthpur Industrial Suburb
Ashokpuram School Road
Bangalore-560 022, Karnataka, INDIA
Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	7727-43-7
Chemical Name	:	Barium sulfate
%	:	>99%
EINECS#	:	231-784-4
Hazard Symbols	:	Unlisted
Risk Phrases	:	Unlisted

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
No information available.

Potential Health Effects

Eye:
Dust may cause mechanical irritation.

Skin:
Dust may cause mechanical irritation.



Ingestion:

No hazard expected in normal industrial use.

Inhalation:

No hazard expected in normal industrial use.

Chronic:

No information available.

SECTION 4 - FIRST AID MEASURES

Eyes:

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

Skin:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

Inhalation:

Remove from exposure and move to fresh air immediately. Get medical aid.

Notes to Physician:

No information available.

SECTION 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. Material will not burn.

Extinguishing Media:

Use extinguishing media most appropriate for the surrounding fire.

SECTION 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. Avoid generating dusty conditions.

SECTION 7 - HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Do not get on skin or in eyes. Do not ingest or inhale.

Storage:

Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard En166.

Skin:

Wear impervious gloves.

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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Solid.
Color	:	White to yellow powder
Odor	:	None.
PH	:	No information available.
Vapor Pressure	:	Not applicable.
Viscosity	:	Not applicable.
Boiling Point	:	Not applicable.
Freezing/Melting Point	:	2876 deg F
Autoignition Temperature	:	Not applicable.
Flash Point	:	Not applicable.
Explosion Limits, lower	:	No information available.
Explosion Limits, upper	:	No information available.
Decomposition Temperature	:	No information available.
Solubility in water	:	Insoluble in water.
Specific Gravity/Density	:	4.4 (Water=1)
Molecular Formula	:	BaSO ₄
Molecular Weight	:	233.3876

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid:

Dust generation.

Incompatibilities with Other Materials:

Aluminum + heat.

Hazardous Decomposition Products:

Oxides of sulfur, barium fume.

Hazardous Polymerization:

Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 7727-43-7: CR0600000 Cr0630000

LD50/LC50:

No information available.

Carcinogenicity:

Barium sulfate - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

SECTION 14 - TRANSPORT INFORMATION

IATA

Shipping Name : Benzaldehyde.
Hazard Class : 9
UN Number : 1990
Packing Group : III

IMO

Shipping Name : Benzaldehyde.
Hazard Class : 9
UN Number : 1990
Packing Group : III

RID/ADR

Shipping Name : Benzaldehyde.
Hazard Class : 9
UN Number : 1990
Packing Group : III

SECTION 15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives

Hazard Symbols:
No information available.

Risk Phrases:
No information available.

Safety Phrases:
No information available.

WGK (Water Danger/Protection)
CAS# 7727-43-7: 0

United Kingdom Occupational Exposure Limits
CAS# 7727-43-7: OES-United Kingdom, TWA 4 mg/m³ TWA (respirable dust); 10 mg/m³
TWA (total inhalable dust)

United Kingdom Maximum Exposure Limits
No information available.

Canada
CAS# 7727-43-7 is listed on Canada's DSL List.
CAS# 7727-43-7 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits
CAS# 7727-43-7: OEL-AUSTRALIA:TWA 10 mg/m³
OEL-BELGIUM:TWA 10 mg/m³ (resp. Dust)
OEL-UNITED KINGDOM:TWA 2 mg/m³
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND,
SINGAPORE, VIETNAM check ACGI TLV

US FEDERAL
TSCA
CAS# 7727-43-7 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.