

LOR High Temp Antiseize Compound

Printed: 06/11/2015

Revision: 12/15/2014

1. Product and Company Identification

Product Code:	2001	
Product Name:	LOR High Temp Antiseize Compound	
Company Name:	Balmar, LLC.	Phone Number:
	616 W. Pont Des Mouton Rd.	(337)232-2496
	Lafayette, LA 70507-4002	
Email address:	Info@oilcenter.com	
Emergency Contact:	01-703-527-3887	

2. Hazards Identification

Substances, which in contact with water, emit flammable gases, Category 2



GHS Signal Word:	Danger
GHS Hazard Phrases:	H261 - In contact with water releases flammable gases.
GHS Precaution Phrases:	P280 - Wear protective gloves/protective clothing/eye protection/face protection. P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P223 - Do not allow contact with water.
GHS Response Phrases:	P370+378 - In case of fire, use chemical foam to extinguish.
GHS Storage and Disposal Phrases:	P402+404 - Store in a dry place and/or in closed container. P501 - Dispose of contents/container to in accordance with federal regulations.
Potential Health Effects (Acute and Chronic):	Inhalation is unlikely but in the event that misting occurs, chronic inhalation can cause pneumoconiosis. Chronic: Prolonged or repeated exposure may cause permanent bone structure abnormalities. May cause kidney injury. May decrease blood clotting. Chronic exposure to fluoride compounds may cause systemic toxicity.
Inhalation:	Low hazard for normal industrial handling. The toxicological properties of this substance have not been fully investigated. May cause heart disturbances, possibly leading to cardiac arrest and death. May cause hyperactive reflexes and muscular spasms. May cause respiratory tract irritation.
Skin Contact:	Causes skin irritation. May decrease blood clotting. May cause skin irritation.
Eye Contact:	Causes eye irritation.
Ingestion:	No hazard expected in normal industrial use. The toxicological properties of this substance have not been fully investigated. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Ingestion of large amounts of fluoride may cause salivation, nausea, vomiting, abdominal pain, fever, labored breathing. Exposure to fluoride compounds can result in systemic toxic effects on the heart, liver, and kidneys. It may also deplete calcium levels in the body leading to hypocalcemia and death. May cause bone structure abnormalities. Ingestion of large amounts may cause gastrointestinal irritation. May cause irritation of the digestive tract.

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3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
7789-75-5	Calcium fluoride	10.0 - 20.0 %	
14807-96-6	Talcum	5.00 - 10.0 %	
7429-90-5	Aluminum	1.00 - 5.00 %	

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation:

Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical aid if cough or other symptoms appear.

In Case of Skin Contact:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes. Get medical aid if irritation develops or persists.

In Case of Eye Contact:

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

In Case of Ingestion:

Call a poison control center. Never give anything by mouth to an unconscious person. Get medical aid. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Wash mouth out with water. Get medical aid if irritation or symptoms occur. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Note to Physician:

Administration of Calcium Disodium EDTA may be useful in acute poisoning with its use at the discretion of qualified medical personnel. Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: > 400 F Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Substance is nonflammable; use agent most appropriate to extinguish surrounding fire. Do NOT use water directly on fire. Use dry chemical to fight fire. Use agent most appropriate to extinguish fire.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Material will not burn.

Flammable Properties and Hazards: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

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7. Handling and Storage

Precautions To Be Taken in Handling: Wash thoroughly after handling. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation. Wash clothing before reuse. Avoid contact with eyes, skin, and clothing.

Precautions To Be Taken in Storing: Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture. Keep container closed when not in use. Do not store near combustible materials. Store in a tightly closed container. Keep away from acids.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7789-75-5	Calcium fluoride	No data.	No data.	No data.
14807-96-6	Talcum	PEL: 706 ppm/20 mppcf	TLV: 2 mg/m ³ (non-asbestos)	No data.
7429-90-5	Aluminum	PEL: 15 (dust); 5 (resp.) mg/m ³	TLV: 10 mg/m ³ (dust)	No data.

Respiratory Equipment (Specify Type): Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye Protection: 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.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

9. Physical and Chemical Properties

Physical States: [] Gas [] Liquid [X] Solid

Appearance and Odor: Paste.
Petroleum-like.

Appearance: Silver.

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: > 400 F Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): 1.078 at 77.0 F

Density: 9 LB/GAL at 77.0 C

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: < 1 at 77.0 F

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Percent Volatile: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Moisture, Incompatible materials.

Incompatibility - Materials To Avoid: Reacts with hot concentrated sulfuric acid to liberate hydrogen fluoride. Oxidizing agents.

Hazardous Decomposition Or Byproducts: irritating and toxic fumes and gases, fluoride fumes. silicon dioxide, aluminum oxide.

Byproducts:

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: Epidemiology: No information found.
Teratogenicity: No information available. Reproductive Effects: Mutagenicity:
Neurotoxicity: No information available.
Other Studies:

Carcinogenicity/Other Information: CAS# 7789-75-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 14807-96-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7429-90-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7789-75-5	Calcium fluoride	n.a.	n.a.	n.a.	n.a.
14807-96-6	Talcum	n.a.	n.a.	n.a.	n.a.
7429-90-5	Aluminum	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

SAFETY DATA SHEET

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14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material()
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: No information available.

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name:
UN Number:
Hazard Class:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not regulated as a hazardous material

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not regulated as a hazardous material

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7789-75-5	Calcium fluoride	No	No	No
14807-96-6	Talcum	No	No	No
7429-90-5	Aluminum	No	No	Yes

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

Yes No Acute (immediate) Health Hazard
 Yes No Chronic (delayed) Health Hazard
 Yes No Fire Hazard
 Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7789-75-5	Calcium fluoride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; NY Part 597: No; PA HSL: No
14807-96-6	Talcum	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: Yes - 1773; NY Part 597: No; PA HSL: Yes - 1
7429-90-5	Aluminum	CAA HAP,ODC: No; CWA NPDES: Yes; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: Yes - 0054; NY Part 597: No; PA HSL: Yes - E

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
7789-75-5	Calcium fluoride	Canadian DSL: Yes; REACH: Yes - (R), (P)
14807-96-6	Talcum	Canadian DSL: Yes; REACH: Yes - (P)
7429-90-5	Aluminum	Canadian DSL: Yes; REACH: Yes - (R), (P)

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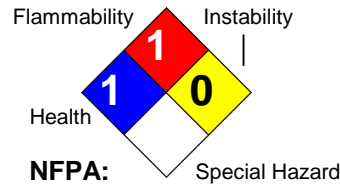
16. Other Information

Revision Date: 12/15/2014

Hazard Rating System:

HEALTH		1
FLAMMABILITY		1
PHYSICAL		0
PPE		B

HMIS:



Additional Information About This Product: No data available.

This Product:

Company Policy or

Disclaimer:

The information contained here is based upon data available to us and reflects our best professional judgment. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product with zero or minimum hazards. Our products are improved daily as up-to-date information and research data is received from our suppliers in our quest to use products with less or no hazards. Please feel free to contact us for current information.