



Safety Data Sheet (SDS)

Revision / Review Date: 10-24-2014

1. Chemical Product and Company Identification

Product Name:	Aluminum Stear M132
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
MSDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Fatty Acids C-16-18 aluminum Salts
Product Use:	Lubricating additive, water repellent, mould release agent.
CAS #	Trade Secret
OSHA Status	Not Hazardous

For emergency health, safety, and environmental information, calls 330-920-8023

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

Classification: Directive 67/548/EEC: substance not classified.
Regulation (EC) 1272/2008: substance not classified.

Warning: Danger of explosion in concentrations elevated in air to the contact with ignition sources.

Medical Conditions Generally Aggravated by Exposure:

Eye Contact: May cause mechanical irritation.

Inhalation: Respiratory problems in high concentrations.

Label : None, no hazardous product.

3. Composition / Information on Ingredients

Ingredients	CAS Nr	Weight %	EC-Nr
Fatty acids, C16-18 (even numbered), aluminum salts	Not allocated	100	939-582-4

This definition is equivalent to Aluminium distearate (CAS Nr 300-92-5)

4. First Aid Measures

<u>Inhalation:</u>	To provide fresh air. Seek Medical attention.
<u>Eyes:</u>	Rinse with plenty of water. If the irritation persists, seek medical attention.
<u>Skin:</u>	Wash with soap and water. Take off all contaminated clothes.
<u>Ingestion:</u>	Keep the patient at rest, lied down and warms (cover with one blanket). Do not induce vomiting.
<u>Most important symptoms and effects, Both acute and delayed:</u>	Not Available.
<u>Indication of any immediate medical attention and Special treatment needed:</u>	See Section 4.1

5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Water mist, foam, dry powder, carbon dioxide.
<u>Unsuitable Extinguishing Media:</u>	Water Jet.
<u>Special Fire Fighting Procedures:</u>	Do not intervene without suitable protection equipment. Act according to the internal Emergency Plan.
<u>Special hazards arising from the substance/mixture:</u>	To exposition to decomposition products can be risky to health.

6. Accidental Release Measures

<u>Personal precautions, protective, equipment and Emergency procedure:</u>	Remove ignition sources. Provide for sufficient ventilation or respiratory protection. Protect eyes and skin.
<u>Environmental Precautions:</u>	Keep out of sewers, drains and surface waters. If the product contaminates rivers or sewer, alert competent authority according to regulation procedures.
<u>Methods and material for containment and Cleaning up:</u>	Contain spilled liquid with a suitable absorbent, for example, sand, earth and place in suitable containers for recycle or disposal ensure conformity to local disposal ensure conformity to local disposal regulations .

7. Handling and Storage:

<u>Precautions to be taken in handling:</u>	Provide efficient ventilation. Keep away from ignition sources. Take protective measures against dust explosion. Prevent deposition of dust.
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Storage:

Store dry at room temperature, well-ventilated area. Keep away from ignition sources. Opened packages must be carefully closed and store vertically. Shelf life: 24 Months.

8. Exposure Controls / Personal Protection

Control Parameters:

Dust: 10 mg/m³ (ACG1HTLV)

DNEL Workers:	No hazards identified. DNEL's not obtained
DNEL General population:	No hazards identified. DNEL's not obtained
PNEC:	Toxicity tests showed no adverse effects to the limit of solubility in water. PNEC's not obtained.

Exposure Controls:

Provide an efficient ventilation near, if possible, working places and provide an efficient global extraction.

Respiratory Protection:

Mask with particle filter P1.

Protective Gloves:

Solvent proof gloves recommended.

Eye Protection:

Protective glasses.

Skin and Body Protection:

Protective Clothing.

Other Precautions:

While working, do not eat, drink or smoke: before work wash hands. Change contaminated clothing. Clean whole body after working.

Further information:

Preventive skin care lotion recommendable. Use antistatic working shoes.

9. Physical and Chemical Properties

Physical state:

Powder

Colour:

White

Odour:

Odourless

Melting point/ range:

138-169 C

Ignition Temperature:

>400 C

Oxidising properties:

No

Danger of explosion

Product:

No

Dust / air mixture:

Yes

Lower explosion limit:	30g/m ³
Vapor Pressure (20 C):	0.15 Pa
Density (20C):	1.01 g/cc
Solubility (20 C):	0.15 mg/L in water.

10. Stability and Reactivity

<u>Reactivity:</u>	This product is not reactive in handling and storage conditions recommended under section 7.
<u>Stability:</u>	This product is not reactive in handling and storage conditions recommended under section 7.
<u>Possibility of hazardous reactions:</u>	the mixture air/dust is able to explode.
<u>Incompatibility (Materials to Avoid):</u>	Avoid contact with strong oxidizers, strong acids and halogens.
<u>Conditions to Avoid:</u>	Sources of ignition.
<u>Hazardous Decomposition Products:</u>	In case of fire, the product can emit hazardous decomposition products, such as carbon oxide and metallic oxides.

11. Toxicological Information

Information on toxicological effects:

	Method	Species	Route	Results
Acute toxicity:	OECD 423	Rat	Oral	*LD50>2000 mg/kg bw
	OECD 403	Rat	Inhalation	*LC50 (4h)>5,15 mg/L
Irritation/Corrosion:	OECD 439	Bovine cornea	In vitro	Not irritating
	OECD 405	Rabbit	Eyes	Not irritating
Sensitisation:	OECD 429	Mouse	Dermal	Not sensitising
Repeated dose toxicity:	Bibliography ¹	Mouse	Oral	NOAEL: >4176,5 mg/kg
Carcinogenicity:	No relevant information available.			
Genetic toxicity:	OECD 471	Bacteria	In vitro	Negative
	OECD 474	Rat	Oral	Negative
Toxicity to reproduction:	OECD 416	Ra	Oral	NOAEL ₂ ≥ 367,1 mg/kg bw/day**
	Bibliography ²	Rat	Oral	NOAEL ₂ ≥ 1564,7 mg/kg bw/day***

* No observed adverse effects

** Fertility and parental toxicity

*** Toxicity development and parental

12. Ecological Information

Toxicity:

	Method	Species	Media type	Results
Short-term	OECD 203	Fish	Freshwater	LC50 (96h) > 100 mg/L
	OECD 202	Crustaceans	Freshwater	EC50 (48h) >100mg/L
	OECD 201	Algae	Freshwater	NOEC (72h) >100 mg/L
Long-term:	Bibliography ³	Fish	Freshwater	NOEC (30d) 169 µg/L
	Bibliography ⁴	Crustaceans	Freshwater	NOEC (21d) 0,16 mg/L

Persistence and degradability:

OECD 301B	Activated sludge	81,2% 28d (readily biodegradable)
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Bioaccumulative potential BCF:36-215

Mobility in soil: Not available

Results of PBT and vPvB assessment: Not applicable

13. Disposal Considerations

Reclaim or Dispose of material in accordance with all applicable local, state, and federal regulations.

14. Transport Information

<u>D.O.T. Shipping Name</u>	Not applicable
<u>Air - ICAO (International Civil Aviation Organization)</u>	Not applicable
<u>Sea - IMDG (International Maritime Dangerous Goods)</u>	Not applicable

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Inventory status	N° EC: 206-101-8 N° CAS: 300-92-5 TSCA (USA): Yes DSL (Canada): Yes AICS (Australia): Yes NZIoC (New Zealand): Yes ENCS (Japan): (2)-625, (2)-3007 IECSC (China): Yes PICCS (Philippines): Yes ENC (Korea) : KE-20409 NECI (Taiwan): Yes
German WGK	nwg (non hazardous to waters) ID 5411

16. Other Information

According to Article 31 of Regulation 1907/2006 (REACH Regulation), the safety data sheet need not be supplied for this product because in its composition there are substances no classified like dangerous, PBT, vPvB or presents in Annex XIV.

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.