SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier used on the label: **CamAir Activated Alumina**
DeVilbiss Part Number: **130506 and 130508**
SDS#: **SDS-52, Version 6.0, Revision 12/2/2015**

Recommended use of the chemical and restriction on use
Recommended use*: Industrial catalyst

* The “Recommended use” identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
DeVilbiss Automotive Refinishing
11360 S. Airfield Rd.
Swanton, Ohio 43558, USA
Phone: 419-825-8100

Emergency telephone number
CHEMTREC: 1-800-424-9300

Other means of identification
Chemical family: metal oxides

2. HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200
Classification of the product
No need for classification according to GHS criteria for this product.

Label elements
The product does not require a hazard warning label in accordance with GHS criteria.

Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview
CAUTION:
May be harmful if inhaled.
May cause difficulty breathing.
Inhalation of dust may result in respiratory irritation.
Prolonged and repeated exposure of dust may cause lung damage.
Contact with the eyes or skin may cause mechanical irritation.
Avoid inhalation of dusts.
Avoid contact with the skin, eyes and clothing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

The product contains:

CAS Number	Content (W/W)	Chemical name
1344-28-1	94.0 - 100.0 %	Aluminum Oxide (NON-FIBROUS)

4. FIRST-AID MEASURES

Description of first aid measures

General advice:
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air. If necessary, give oxygen. If not breathing, give artificial respiration. Seek medical attention if necessary.

If on skin:
After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists.

If in eyes:
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed:
No hazards anticipated. If large quantities are ingested, seek medical advice.

Most important symptoms and effects, both acute and delayed
Symptoms: No significant reaction of the human body to the product known.

Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. FIRE-FIGHTING MEASURES

Extinguishing media
Additional information:
Use extinguishing measures to suit surroundings.

Special hazards arising from the substance or mixture
Hazards during fire-fighting:
No particular hazards known.

Advice for fire-fighters
Protective equipment for fire-fighting:
Wear self-contained breathing apparatus and chemical-protective clothing.

Impact Sensitivity:
Remarks: Based on the chemical structure there is no shock-sensitivity

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid contact with the skin, eyes and clothing. Use personal protective clothing. Information regarding personal protective measures see, section 8.

Environmental precautions
Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

Methods and material for containment and cleaning up
Vacuum up spilled product. Place into suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid dust formation in confined areas. Avoid contact with the skin, eyes and clothing. Ensure adequate ventilation.
Protection against fire and explosion:
Product is not explosive.

Conditions for safe storage, including any incompatibilities
Segregate from reducing agents.
Suitable materials for containers: carbon steel (iron), Low density polyethylene (LDPE), High density polyethylene (HDPE)
Further information on storage conditions: Keep container tightly closed in a cool, well-ventilated place.

Storage stability:
Storage temperature: <= 35 °C
Keep container dry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with occupational exposure limits

Aluminum oxide	OSHA PEL	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
	ACGIH TLV	TWA value 1 mg/m3 Respirable fraction ;

Advice on system design:
Provide local exhaust ventilation to control dust. Provide local exhaust ventilation to maintain recommended P.E.L.

Personal protective equipment
Respiratory protection:
Wear a NIOSH-certified (or equivalent) particulate respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134). Wear appropriate certified respirator when exposure limits may be exceeded.

Hand protection:
Wear chemical resistant protective gloves., Consult with glove manufacturer for testing data.

Eye protection:
Safety glasses with side-shields.

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:
No eating, drinking, smoking or tobacco use at the place of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	The form is derived from the trade name.
Odour:	odourless
Odour threshold:	not applicable
Colour:	off-white
pH value:	9.4 - 10.1
Melting point:	2,050 °C
Flash point:	Non-flammable.
Flammability:	not flammable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Autoignition:	not applicable
Vapour pressure:	not applicable
Bulk density:	38.0 - 52 lb/ft3 (68 °F)
Vapour density:	not applicable
Partitioning coefficient n-octanol/water (log Pow):	The value has not been determined because the substance is inorganic.
Self-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition if used correctly.
Viscosity, dynamic:	not applicable, the product is a solid
Solubility in water:	insoluble
Molar mass:	101.96 g/mol
Evaporation rate:	not applicable

10. STABILITY AND REACTIVITY

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:
No corrosive effect on metal.

Oxidizing properties:
not fire-propagating

Formation of flammable gases: Remarks: Forms no flammable gases in the presence of water.

Chemical stability
The product is chemically stable.

Possibility of hazardous reactions
The product is chemically stable.
No hazardous reactions known.

Conditions to avoid
Avoid deposition of dust. Avoid dust formation.

Incompatible materials
water, reducing agents

Hazardous decomposition products
Decomposition products:
Hazardous decomposition products: No hazardous decomposition products known.

Thermal decomposition:
No decomposition if used correctly.

11. TOXICOLOGICAL INFORMATION

Primary routes of exposure
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity
Assessment of acute toxicity: Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion.

Oral
Information on: Aluminum oxide
Type of value: LD50
Species: rat
Value: > 10,000 mg/kg (similar to OECD guideline 401)
The data refer to a preparation of the substance.
No mortality was observed. No systemic toxicity.

Inhalation
Information on: Aluminum oxide
Type of value: LC50
Species: rat
Value: > 2.3 mg/l (similar to OECD guideline 403)
Exposure time: 4 h
Tested as dust aerosol.
No mortality was observed.

Irritation / corrosion
Assessment of irritating effects: Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties. Contact with the eyes or skin may cause mechanical irritation.

Chronic Toxicity/Effects

Other Information
The product has not been tested. The statements on toxicology have been derived from the properties of the individual components. The product has been assessed on the basis of the components' available data. To some extent data gaps exist for individual components. According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

Symptoms of Exposure
No significant reaction of the human body to the product known.

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish
Information on: Aluminum oxide
LC50 (96 h) > 218.64 mg/l, Pimephales promelas (Fish test acute, semistatic)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Tested above maximum solubility.

Aquatic invertebrates
Information on: Aluminum oxide
No observed effect concentration (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)
Tested above maximum solubility. The details of the toxic effect relate to the nominal concentration.

Aquatic plants
Information on: Aluminum oxide
No observed effect concentration (72 h) > 100 mg/l (growth rate), Selenastrum capricornutum (OECD Guideline 201, static)
Tested above maximum solubility. The details of the toxic effect relate to the nominal concentration.

Chronic toxicity to fish
Information on: Aluminum oxide
EC10 (7 d) 0.0938 mg/l, Pimephales promelas (semistatic)

Chronic toxicity to aquatic invertebrates
Information on: Aluminum oxide
No observed effect concentration (21 d) 0.076 mg/l, Daphnia magna (OECD Guideline 211, semistatic)
The statement of the toxic effect relates to the analytically determined concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Persistence and degradability
Assessment biodegradation and elimination (H2O)
Not applicable for inorganic substances.

Additional information
Other ecotoxicological advice:
The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components. The product has been assessed on the basis of the components' available data. To some extent data gaps exist for individual components. According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

13. DISPOSAL CONSIDERATIONS

Waste disposal of substance:
Dispose of in accordance with local authority regulations. Check for possible recycling. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

14. TRANSPORT INFORMATION

Land transport
USDOT Not classified as a dangerous good under transport regulations

Sea transport
IMDG Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

NFPA Hazard codes:
Health : 1 Fire: 0 Reactivity: 0 Special:

HMIS III rating
Health: 1 Flammability: 0 Physical hazard: 0

Assessment of the hazard classes according to UN GHS criteria (most recent version):

16. OTHER INFORMATION

SDS Prepared by:
DeVilbiss Automotive Refinishing

Date revised 12/2/15, version 6.0
Date Prepared 12/1/15

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END OF DATA SHEET

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