

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture (Aluminum Oxide)
Product Name / Trade Name	RT-Aluminum Oxide
CAS No.	1344-28-1

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Texturing, non-skid, additive for industrial flooring resins.
Uses Advised Against	None

Details of the supplier of the safety data sheet

Company Identification	Res-Tek, Inc. 110 Riverside Drive Cartersville, Georgia 30120 United States of America
Telephone	1-888-737-8351 / 1-770-427-4034

Emergency telephone number

CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Not a hazardous substance or mixture.
Target Organs	Not applicable.

Label elements

Hazard Symbol	None.
Signal Word(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	None.

Other hazards No data available.

Additional Information Damage can be caused through mechanical influence of the product.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Aluminum Oxide	100.	1344-28-1	Not relevant.

For full text of H phrases see section 16.

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

General	When in doubt or if symptoms are observed, get medical advice.
Inhalation	Provide fresh air, if symptoms persist consult a physician.
Skin Contact	Brush off loose particles from skin. Wash with soap and water. If skin irritation is experienced consult a physician.
Eye Contact	Irrigate opened eyes thoroughly with water. Remove contact lenses if present and easy to do. Seek medical attention if symptoms persist.
Ingestion	Rinse mouth and then drink plenty of water. Do not induce vomiting. Call for medical help immediately.
Note to Physician	Treat symptomatically.
Indication of any immediate medical attention and special treatment needed	No known symptoms to date.
Routes of entry:	Eye contact.
Potential Health Effects:	
Inhalation	No known symptoms to date.
Skin	No known symptoms to date.
Eyes	Slight irritant effects to eyes.
Ingestion	No known symptoms to date.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media	
-Suitable Extinguishing Media	Material is not flammable or combustible. Use fire extinguishing method suitable for surrounding conditions.
-Unsuitable Extinguishing Media	None.
Special hazards arising from the substance or mixture	No further relevant information available.
General information	No further relevant information available.
Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid generation of dust. Wear breathing apparatus if exposed to vapours/dusts/aerosols. For large spills wear protective clothing and respirator. Ensure adequate ventilation.
Environmental precautions	No special environmental measures are necessary.
Methods and material for containment and cleaning up	Take up mechanically. Avoid generation of dust.
Additional Information	None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid generation of dust. During filling, metering and sampling appropriate ventilation should be used if possible. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.
Precautions against fire and explosion	The product is not combustible.
Additional Information	No additional information.
Conditions for safe storage, including any incompatibilities	
-Storage temperature	Store in a cool, dry place. Store in original container. Open carefully.

-Incompatible materials

Strong oxidizers. Acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Aluminum Oxide	1344-28-1	5 mg/m3 (Respirable Dust) 15 mg/m3 (Total Dust)	1 mg/m3 as Aluminum (Respirable Dust)	-	-	

- STEL: Short Term Exposure Limit; IFV = Inhalable Fraction & Vapor

Exposure controls

General Advice

Use standard safe chemical handling practices. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Do not inhale dust / smoke / mist. Avoid close or long term contact with the skin. Keep away from food stuffs, beverages or feed.

Appropriate engineering controls

Work in well ventilated zones or use proper respiratory protection.

Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear protective gloves.

Respiratory protection



In case of inadequate ventilation wear a NIOSH approved quarter or half face dust mask or respirator appropriate for use concentration. If the concentration exceeds the dust mask or respirator capability a full face supplied air respirator must be used.

Thermal hazards

Not normally required.

Environmental Exposure Controls

No additional measures necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Powder.

Color.

White or Brown.

Odor

Characteristic.

Odor Threshold (ppm)

Not available.

pH (Value)

Not available.

Melting Point (°C) / Freezing Point (°C)

2,050 (3,812°F).

Boiling point/boiling range (°C):

Not available.

Flash Point (Closed Cup, °C)

Not applicable.

Evaporation Rate

Not applicable.

Flammability (solid, gas)

Not applicable.

Explosive Limit Ranges

Not applicable.

Vapour pressure (mmHg)

Not applicable.

Vapour Density (Air=1)

Not applicable.

Density (g/ml)

3.88 at 25 °C (77 °F) (32.38 lb/gal @ 25 °C)

Specific Gravity

3.88

Solubility (Water)	Insoluble.
Solubility (Other)	Insoluble.
Partition Coefficient (n-Octanol/water)	Not applicable.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not applicable.
Kinematic Viscosity (mm ² /s)	Not applicable.
Dynamic Viscosity (mPa.s)	Not applicable.
Explosive properties	Not combustible.
Oxidizing properties	Not oxidizing.
Other information	None.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal storage and use conditions.
Chemical stability	Stable under normal storage and use conditions.
Possibility of hazardous reactions	Reacts with strong acids and alkalis. Reacts with strong oxidizing agents.
Conditions to avoid	No further relevant information available.
Incompatible materials	Strong acids, strong alkali, strong oxidizers.
Hazardous decomposition product(s)	Possible in traces.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Ingestion.

Exposure symptoms: Not relevant.

Information on toxicological effects

Acute toxicity (estimated / calculated)	None.
Corrosivity / Irritation	
Skin	Slight irritant effect on skin and mucous membranes.
Eye	Slight irritant effect on eye.
Sensitization	Not sensitizing.
Repeated dose toxicity	Not relevant.
Mutagenicity	Not relevant.
Carcinogenicity	

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Toxicity for reproduction	No indications of human reproductive toxicity exist.
Other information	Damage can be caused through mechanical influence of the product.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	
General notes	Generally not hazardous for water.
Acute toxicity (estimated / calculated)	No data.
Long Term Toxicity	Not relevant.
Persistence and degradability	Inorganic product, is not eliminable from water by means of biological clearing process.

Theoretical Oxygen demand	Not applicable.
Biological oxygen demand (BOD)	Not applicable.
Partition Coefficient: n-octanol/water (log Kow):	Not applicable.
Bioaccumulative potential	Does not accumulate in organisms.
Mobility in soil	Not relevant.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Partition Coefficient (Koc)	Not applicable.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
Additional Information	None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name		Not classified as dangerous for transport.	
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			
DOT Placard			
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not a dangerous good.			

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Not relevant			

SARA 311/312 - Hazard Categories:

☐ Fire ☐ Sudden Release ☐ Reactivity ☐ Immediate (acute) ☐ Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Not relevant		

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
Not relevant	----	----	----	----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
Not relevant	----	----	----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Date of preparation: February 12, 2019

Hazard Statement(s) Listed in: SECTION 3
Not relevant.

Additional Information: None.

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