

SAFETY DATA SHEET

Product Name/Description: Alumina, Fused Aluminum Oxide White

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

White Fused Aluminum Oxide

CAS Number: 1344-28-1

EC number: 215-691-6

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

No further relevant information available.

Application of the substance / the mixture Industrial uses.

1.3 Other means of identification

1.4 Details of the supplier of the Safety Data Sheet- Manufacturer/Supplier:

Company Name:	AGSCO Corporation	Emergency number: 847-520-4455
Address:	160 West Hintz Road	Information number: 847-520-4455
	Wheeling Illinois 60090	Date prepared: November 2014

2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The following Hazard Statements are applicable only according to OSHA regulations within the United States. These Statements are not applicable for the CLP regulation (1272/2008/EC) in the EU: H351.

health hazard



Carc. 2 H351 Suspected of causing cancer.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Note for United States only:

If a Category 2 carcinogen ingredient is present in the mixture at a concentration between 0.1% and 1%, information is required on the SDS for a product. However, a label warning is optional.

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The substance is classified and labelled according to the Globally Harmonized System within the United States (GHS).

This product does not have a classification according to the CLP regulation. The substance is classified and labelled according to the CLP regulation.

Hazard pictograms

Not applicable within the EU; applicable only for North America.



GHS08

Signal word

Not applicable within the EU; applicable only for North America.
Warning

Hazard-determining components of labelling:

titanium dioxide

Hazard statements

The following Hazard Statements are applicable only according to OSHA regulations within the United States. These statements are not applicable for the CLP regulation (1272/2008/EC) in the EU: H351.

H351 Suspected of causing cancer.

Precautionary statements

Applicable only within the United States (USA)

P281	Use personal protective equipment as required.
P202	Do not handle until all safety precautions have been read and understood.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national and international regulations.

Hazard description:

WHMIS-symbols: Not hazardous under WHMIS.

NFPA ratings (scale 0 - 4)

Health = 0

Fire = 0

Reactivity = 0



HMIS-ratings (scale 0 - 4)

Health =*0

Fire = 0

Reactivity = 0



HMIS Long Term Health Hazard Substances

13463-67-7 titanium dioxide

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

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3: COMPOSITION/INFORMATION ON INGREDIENTS


3.1 Substances

CAS No. Description:

1344-28-1 aluminum oxide

Identification number(s)

EC number: 215-691-6

· Dangerous components:		
CAS: 13463-67-7	titanium dioxide (classification relevant for USA/Canada only)	< 1%
EINECS: 236-675-5	 Carc. 2, H351	

4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: No special measures required.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

After skin contact:

Brush off loose particles from skin. Clean with water and soap.

If skin irritation continues, consult a doctor.

After eye contact:

Immediately remove contact lenses if possible.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Coughing

Gastric or intestinal disorders.

Breathing difficulty

Hazards Danger of impaired breathing.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: None.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device. Wear fully protective suit.

Additional information No further relevant information available.

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6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol. For large spills, wear protective clothing. Avoid formation of dust. Ensure adequate ventilation

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Prevent formation of dust.
Any unavoidable deposit of dust must be regularly removed. Use only in well ventilated areas.
Avoid breathing dust.
Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.
Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility:

Store away from oxidizing agents. Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well-sealed receptacles. Store receptacle in a well ventilated area. Protect from humidity and water. This product is hygroscopic.

7.3 Specific end use(s) No further relevant information available.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
1344-28-1 aluminum oxide	
PEL (USA)	Long-term value: 15*; 15** mg/m ³ *Total dust; ** Respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ as Al*Total dust**Respirable/pyro powd./welding f.
TLV (USA)	Long-term value: 1* mg/m ³ as Al; *as respirable fraction
EL (Canada)	Long-term value: 1,0 mg/m ³ respirable, as Al
EV (Canada)	Long-term value: 10 mg/m ³ total dust
13463-67-7 titanium dioxide	

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PEL (USA)	Long-term value: 15* mg/m ³ *total dust
REL (USA)	See Pocket Guide App. A
TLV (USA)	Long-term value: 10 mg/m ³ withdrawn from NIC
EL (Canada)	Long-term value: 10* 3** mg/m ³ *total dust; **respirable fraction; IARC 2B
EV (Canada)	Long-term value: 10 mg/m ³ *total dust

DNELs No further relevant information available.

PNECs No further relevant information available.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid close or long term contact with the skin. Do not inhale dust / smoke / mist.

Respiratory protection:

Suitable respiratory protective device recommended.

Use suitable respiratory protective device in case of insufficient ventilation

For spills, respiratory protection may be advisable.

Protection of hands:

Wear gloves for the protection against mechanical hazards according to NIOSH or EN 388. Gloves are advised for repeated or prolonged contact.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection:



Safety glasses

Body protection:

Not required under normal conditions of use.

Protection may be required for spills.

Limitation and supervision of exposure into the environment: No special requirements.

Risk management measures: No special requirements.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Granulate
Color:	White
Odor:	Odorless
Odor threshold:	Not determined.
pH Value:	Slightly alkaline

Change in condition

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Melting point/Melting range:	3704 °F / 2040 °C
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Product is not flammable.
Auto/Self-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not applicable.
Density at 20 °C:	3.97 g/cm ³
Relative density	Not determined.
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Insoluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity	
Dynamic:	Not applicable.
Kinematic	Not applicable

No further relevant information available.

10: STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with strong acids.

Reacts with oxidizing agents.

Reacts with strong alkali.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Toxic metal oxide smoke

11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: Slight irritant effect on eyes.

Sensitization: No sensitizing effects known.

Repeated dose toxicity: May cause damage to organs through prolonged or repeated exposure.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Based on IARC classifications and not the CLP classification.

Carc. 2

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12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity: Generally not hazardous for water

12.2 Persistence and degradability

Inorganic product is not eliminable from water by means of biological cleaning processes.

12.3 Bioaccumulative potential Does not accumulate in organisms.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation

Smaller quantities can be disposed of with household waste. Can be reused after reprocessing.
Contact waste processors for recycling information.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

Uncleaned packaging:

Recommendation Disposal must be made according to official regulations.

14: TRANSPORT INFORMATION

14.1 UN-Number

DOT, ADR, ADN, IMDG, IATA

Not Regulated

14.2 UN proper shipping name

DOT, ADR, ADN, IMDG, IATA

Not Regulated

14.3 Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Class

Not Regulated

14.4 Packing group

DOT, ADR, IMDG, IATA

Not Regulated

14.5 Environmental hazards:

Marine pollutant:

No

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

UN "Model Regulation":

15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture United States (USA)

SARA

Section 355 (extremely hazardous substances):	Substance is not listed.
Section 313 (Specific toxic chemical listings):	Substance is not listed.
TSCA (Toxic Substances Control Act):	Substance is listed.

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Proposition 65 (California):

Chemicals known to cause cancer:	13463-67-7 titanium dioxide
Chemicals known to cause reproductive toxicity for females:	Substance is not listed.
Chemicals known to cause reproductive toxicity for males:	Substance is not listed.
Chemicals known to cause developmental toxicity:	Substance is not listed.

Carcinogenic Categories

EPA (Environmental Protection Agency)		Substance is not listed
IARC (International Agency for Research on Cancer)	2B	13463-67-7 titanium dioxide
TLV (Threshold Limit Value established by ACGIH)	A4	1344-28-1 aluminum oxide
	A4	13463-67-7 titanium dioxide
NIOSH-Ca (National Institute for Occupational Safety and Health)		13463-67-7 titanium dioxide

Canada

Canadian Domestic Substances List (DSL)	Substance is listed
Canadian Ingredient Disclosure list (limit 0.1%)	Substance is not listed
Canadian Ingredient Disclosure list (limit 1%)	Substance is listed

Other regulations, limitations and prohibitive regulations

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Substances of very high concern (SVHC) according to REACH, Article 57

Substance is not listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H351 Suspected of causing cancer.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

Carc. 2: Carcinogenicity, Hazard Category 2



SAFETY DATA SHEET

MSDS NO. SD-29-E RED

1. IDENTIFICATION OF THE SUBSTANCE/ PEREPARATION AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product Name Red Rouge Polishing Compound

Other means of identification 515-6252 #51, 515-6162 #61, 62519, 62515, 515-6121 #J-49, 515-6122 #J50, KX-10145D

Synonyms None

Recommended use of the chemical and restriction on use

Recommended Use Abrasive/ Buffing Compound

Uses advised against No information Available

Details of the supplier of the safety data sheet

Supplier Name Formax Mfg. Corporation
Supplier Address 168 Wealthy Street S.W.
Grand Rapids
MI
49503
USA

Supplier Phone Number Phone: 1-616-456-5458
Fax: 1-616-456-7507
Contact Phone: 1-616-456-5458

Supplier Email sales@formaxmfg.com

2. HAZARDS IDENTIFICATION

Classification

This item is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Formax polishing & buffing compounds are formulated with abrasives surrounded in a matrix of grease binders, waxes and or soap / water emulsions. Ingredient ratio proportions can be and are varied to meet individual buffing needs and surface conditioning.
Buffing compounds as shipped do not present a hazard.
Buffing operations may cause lint and abrasive residue particulates to be created. Proper ventilation and respirator recommended.

GHS Label elements, including precautionary statement

Signal Word EMERGENCY OVERVIEW
None

Hazard Statement None

The products/products contain no substances which at their given concentration are considered to be hazardous to health.

Appearance: Premolded Cake Form **Physical State:** Solid **Odor:** Tallow Odor

Precautionary Statements – Prevention
Obtain Special Instructions before use

Precautionary Statements – Response
None

Precautionary Statements – Storage
None

Precautionary Statements – Disposal
None

Hazards not otherwise classified (HNOC)
Not applicable

Unknown Toxicity
None

Other information
May cause slight eye irritation
Prolonged or repeated contact may dry skin and cause irritation.

Interaction with other chemicals

No information available

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Red Rouge

Chemical Name	CAS No.	%
Aluminum Oxide	1344-28-1	68-75
Stearic Acid	57-11-4	15-20
Iron Oxide	1309-37-1	8-15
Tallow	61789-97-7	5-15

**The exact percentage (concentration) of composition has been withheld as a trade secret*

4. FIRST AID MEASURES

Eye Contact:	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact:	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Inhalation:	Remove to fresh air. If symptoms persist, call a physician.
Ingestion:	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

Most important symptoms and effect, both acute and delayed

Most important symptoms and effect No information available

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available.

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes.

Environmental Precautions

Environmental Precautions Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines: Hazardous Component	OSHA PEL	ACGIH TLV
Aluminum oxide	15 mg/m ³ TWA (total dust) 5 mg/m ³ TWA (respirable)	1 mg/m ³ TWA (respirable) (as Al)
Tallow	None Established	None Established
Iron oxide	5 mg/m ³ TWA (respirable)	10 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection For buffing machines wear safety glasses and/or face shield helmets. See OSH 29 CFR 1910.122 (Safety Glasses).

Skin and Body Protection Protective work clothing, heavy duty gloves, body apron or belly pads, safety shoes as needed.

Respiratory Protection Respiratory protection (specify type): OSHA 24 CFR/134 NIOSH/MSHA Approved respirators for particulates from buffing debris. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hearing Protection Avoid prolonged excessive noise levels created by buffing and polishing operations.
See: OSHA 29 CFR 1910.215 (Hearing Protection)

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Solid	Odor	Fatty Odor
Appearance	Premolded Cake Form	Odor Threshold	No information available
Color	Red		

Property	Values	Remarks/ Method
pH	No data available	None known
Melting / freezing point	120F/140F	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	Nil	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Negligible	None known
Solubility in other solvents	No data available	None known
Partition coefficient n-octanol/water	No data available	None known

Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing Properties	No data available	

Other Information

Softening Point No data available

VOC Content (%) No data available

Particle Size No data available

Particle Size Distribution

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Using under conditions of insufficient dust collecting systems or ventilation.

Incompatible materials

Strong Oxidizers or Reducing Agents.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Product does not present an acute toxicity hazard based on known or supplied information. .

Inhalation	Specific test data for the substance or mixture is not available.
Eye Contact	Specific test data for the substance or mixture is not available.
Skin Contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aluminum oxide 1344-28-1	> 5000 mg/kg (Rat)	-	-
Iron oxide 1309-37-1	> 10000 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Iron oxide 1309-37-1		Group 3		

IARC (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Target Organ Effects	Eyes. Respiratory system. Skin.
Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	No known effect based on information supplied. Carcinogenic potential is unknown.
Target Organ Effects	Eyes. Respiratory system. Skin. Lungs.
Aspiration Hazard	No information available.

Numerical measures of toxicity, Product Information

The following values are calculated based on chapter 3.1 of the GHS document
Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	Disposal methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated Packaging	Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT	NOT REGULATED
Proper Shipping Name	NMFC-48580 Scouring Compound (Cake, Paste or Liquid form N.O.I.)
Hazard Class	N/A
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
IMDG/IMO	Not regulated
Hazard Class	N/A
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Aluminum oxide	1344-28-1		1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)


This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

 **WARNING:** This product can expose you to Titanium Dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Aluminum oxide 1344-28-1	X	X	X	X	
Iron oxide 1309-37-1	X	X	X		

International Regulations

Mexico Grade

National occupational exposure limits

Component

Carcinogen Status

Slight risk Grade 1

Exposure Limits

Aluminum oxide

1344-28-1

Mexico: TWA= 10 mg/m3

Iron oxide

1309-37-1

Mexico: TWA 5 mg/m3

Mexico: STEL 10 mg/m3

Mexico - Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

NFPA Health Hazards 1 Flammability 0 Instability 0 Physical and Chemical Hazards -

HMS Health Hazards 1 Flammability 0 Physical Hazard 0 Personal Protection X

Prepared By Formax Mfg. Corporation
 168 Wealthy St. S.W.
 Grand Rapids, MI 49503
 1-616-456-5458

Revision Date 24-Aug-2018
Revision Note

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Precautions to be taken in handling and storing: Handle with adequate ventilation for nuisance dust when using. See OSHA 29 CFR 1910.24 (Ventilation) and 29 CFR 1910.1000 (Air Contaminants). Other precautions: Keep liquids from freezing. Store away from excessive heat. The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Formax Mfg. makes no warranty with respect to the accuracy of the information or the suitability of the recommendation, and assumes no liability to any user thereof.