

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • **AFC Filler Compound**

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

Relevant identified use(s) • Exclude moisture and enhance mechanical holding strength

1.3 Details of the supplier of the safety data sheet

Manufacturer • AFL Telecommunications
170 Ridgeview Circle
Duncan, SC 29334
United States

Telephone (General) • 1-864-433-0333

1.4 Emergency telephone number

Manufacturer • 1-800-866-3941 Ext. 5577 - USA

Manufacturer • 1-864-433-5577

Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Skin Irritation 2 - H315
Eye Irritation 2 - H319

DSD/DPD • Irritant (Xi)
R36/38

2.2 Label Elements

CLP

WARNING



Hazard statements • H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary statements

Prevention • P264 - Wash thoroughly after handling.

- Response**
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 - P362 - Take off contaminated clothing and wash before reuse.
 - P332+P313 - If skin irritation occurs: Get medical advice/attention.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P321 - Specific treatment, see supplemental first aid information.

DSD/DPD

- Risk phrases**
- R36/38 - Irritating to eyes and skin.
- Safety phrases**
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other Hazards

- CLP**
- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

- DSD/DPD**
- According to European Directive 1999/45/EC this preparation is considered dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012**
- Skin Irritation 2 - H315
 - Eye Irritation 2 - H319

2.2 Label elements

OSHA HCS 2012

WARNING

- Hazard statements**
- H315 - Causes skin irritation
 - H319 - Causes serious eye irritation

Precautionary statements

- Prevention**
- P264 - Wash thoroughly after handling.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response**
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 - P362 - Take off contaminated clothing and wash before reuse.
 - P332+P313 - If skin irritation occurs: Get medical advice/attention.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P321 - Specific treatment, see supplemental first aid information.

2.3 Other hazards

- OSHA HCS 2012**
- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Other Toxic Effects - D2B

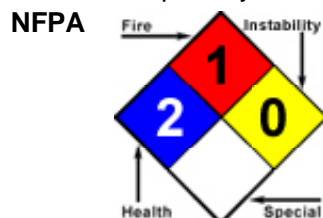
2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information

- This product is not considered flammable or combustible but will burn if ignited. Can cause irritation of eyes and skin. If heated, vapors can cause irritation of respiratory tract and central nervous system effects.



See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	CAS:64742-52-5 EC Number:265-155-0	40% TO 70%	NDA	EU DSD/DPD: Annex I Carc.Cat.2; R45 EU CLP: Annex VI Carc. 1B; H350 OSHA HCS 2012: Skin Irrit. 2	Contains less than 3% DMSO - carcinogen classification not relevant
Aluminum oxide	CAS:1344-28-1 EC Number:215-691-6	30% TO 60%	NDA	EU DSD/DPD: Data lacking EU CLP: Data lacking OSHA HCS 2012: Data lacking	NDA

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- Remove to fresh air. If unconscious or severely injured, check for clear airway, breathing and presence of pulse. Perform CPR if there is no pulse or respiration. Consult a physician.
- Skin**
- Wash skin with soap and water. Consult a physician if irritation persists.
- Eye**
- Flush eyes with plenty of water or saline. Consult a physician, if irritation persists.
- Ingestion**
- If swallowed, dilute by drinking large amounts of water. Never give anything by mouth to a convulsing or unconscious person. Do not induce vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

See Section 2 for Potential Health Effects.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- Use dry chemical, water spray (fog), foam or carbon dioxide extinguishing agents. Use water spray to minimize vapors and cool containers exposed to heat or flame. Move undamaged containers away from heat or flame, if possible. Heavy streams of water, when directed into burning liquid, will cause frothing and spread of burning material.

- Unsuitable Extinguishing Media**
- No data available.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Not an explosion hazard. While not considered "flammable" or "combustible" as defined by OSHA or DOT, the material will burn if ignited.

- Hazardous Combustion Products**
- May include, and are not limited to: oxides of carbon.

5.3 Advice for firefighters

- Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Take proper precautions to minimize exposure by using appropriate personal protective equipment.
- Emergency Procedures**
- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Spills may be slippery and potentially hazardous to personnel or mobile equipment due to reduced traction. Stop leak if you can do it without risk. SMALL SPILLS: Take up with sand or other non-combustible absorbent material and

place into containers for later disposal.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Avoid contact with skin, eyes or clothing. Avoid generating mists or vapors. Spills may be slippery and potentially hazardous to personnel or mobile equipment due to reduced traction.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container closed when not in use. Store away from heat, sparks, flames, oxidizers, and other incompatible substances. Empty containers may contain residual product. Do not cut or weld on containers.

Incompatible Materials or Ignition Sources

- Oxidizers

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines					
	Result	ACGIH	Canada Ontario	Canada Quebec	OSHA
Aluminum oxide (1344-28-1)	TWAs	1 mg/m ³ TWA (respirable fraction) <i>as Aluminum insoluble compounds</i>	1 mg/m ³ TWA (respirable) <i>as Aluminum insoluble compounds</i>	10 mg/m ³ TWAEV (containing no Asbestos and <1% Crystalline silica, total dust, as Al)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)

8.2 Exposure controls

Engineering

Measures/Controls

- Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapor etc) below recommended exposure limits.

Personal Protective Equipment

Pictograms

-  

Respiratory

- None expected to be necessary under normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear safety glasses/goggles to avoid eye contact.

Skin/Body

- Wear impervious gloves to avoid direct skin contact.

General Industrial Hygiene Considerations

- Minimize breathing oil vapors and mist. Remove grease contaminated clothing; launder or dry-clean before reuse. Remove grease contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of the work period. Grease is readily removed from skin with waterless hand cleaners followed by a thorough washing with soap and water.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

TWA_{EV} = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Light tan grease with grit with slight odor.
Color	Light tan.	Odor	Slight odor.
Taste	No data available.	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking
Decomposition Temperature	Data lacking	Heat of Decomposition	Data lacking
pH	Data lacking	Specific Gravity/Relative Density	1.47 Water=1
Density	12.2672 lbs/gal	Bulk Density	Data lacking
Water Solubility	Negligible	Solvent Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	< 0.01 mmHg (torr) @ 20 C(68 F)	Vapor Density	Data lacking
Evaporation Rate	Data lacking	VOC (Wt.)	Data lacking
VOC (Vol.)	Data lacking	Volatiles (Wt.)	Data lacking
Volatiles (Vol.)	Data lacking		
Flammability			
Flash Point	184 C(363.2 F)	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Self-Accelerating Decomposition Temperature (SADT)	Data lacking	Heat of Combustion (ΔH_c)	Data lacking
Burning Time	Data lacking	Flame Duration	Data lacking
Flame Height	Data lacking	Flame Extension	Data lacking
Ignition Distance	Data lacking	Flammability (solid, gas)	Data lacking
Environmental			
Half-Life	Data lacking	Octanol/Water Partition coefficient	Data lacking
Coefficient of water/oil distribution	Data lacking	Bioaccumulation Factor	Data lacking
Bioconcentration Factor	Data lacking	Biochemical Oxygen Demand BOD/BOD ₅	Data lacking
Chemical Oxygen Demand	Data lacking	Persistence	Data lacking
Degradation	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal conditions of use, storage, and transportation.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Excess heat. Incompatible materials.

10.5 Incompatible materials

- Oxidizers

10.6 Hazardous decomposition products

- May include, and are not limited to: oxides of carbon.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Hydrotreated heavy naphthenic distillates (petroleum) (Mild) (40% TO 70%)	64742-52-5	Acute Toxicity: orl-rat LD :>5 gm/kg; skn-rbt LD :>5 gm/kg; Irritation: skn-rbt 500 mg SEV
Aluminum oxide (30% TO 60%)	1344-28-1	Acute Toxicity: ihl-rat TCLo:200 mg/m3/5H/28W-l

GHS Properties	Classification
Acute toxicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
STOT-RE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met

STOT-SE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2

Route(s) of entry/exposure

- Inhalation, Skin, Eye, Ingestion

Medical Conditions Aggravated by Exposure

- Skin rashes, and, if overheated, asthma and chronic lung disease.

Potential Health Effects**Inhalation****Acute (Immediate)**

- If heated, vapors can cause irritation of respiratory tract, headache, nausea and other health effects listed below.

Chronic (Delayed)

- No chronic effects expected.

Skin**Acute (Immediate)**

- May cause irritation.

Chronic (Delayed)

- Dermatitis may result from prolonged or repeated exposure.

Eye**Acute (Immediate)**

- May cause irritation.

Chronic (Delayed)

- No chronic effects expected.

Ingestion**Acute (Immediate)**

- May cause irritation.

Chronic (Delayed)

- No chronic effects expected.

Mutagenic Effects

- Mutagenic effects not expected.

Carcinogenic Effects

- No information available for the product. According to the ACGIH, tabular alumina (non fibrous) (1344-28-1) is classified as a category A4 - Not Classifiable as a Human Carcinogen.

Reproductive Effects

- No reproductive effects expected.

Key to abbreviations

TC = Toxic Concentration

LD = Lethal Dose

SEV = Severe

Section 12 - Ecological Information**12.1 Toxicity**

- No information available for the product.

12.2 Persistence and degradability

- No information available for the product.

12.3 Bioaccumulative potential

- No information available for the product.

12.4 Mobility in Soil

- No information available for the product.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been conducted for this material.

12.6 Other adverse effects

Potential Environmental Effects

- May cause long-term adverse effects in the aquatic environment.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Reuse or recycle material whenever possible. Material may be disposed of at a chemically secure landfill. Not federally regulated in the U.S. if disposed of "as is." Otherwise, characterize in accordance with applicable regulations (40 CFR 261 or state equivalent in the U.S.) All wastes containing the material should be properly labeled. Dispose of any waste residues according to prescribed federal, state, and local guidelines, e.g., appropriately permitted chemical waste incinerator.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

Section 15 - Regulatory Information

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

SARA Hazard Classifications

- Acute

State Right To Know				
Component	CAS	MA	NJ	PA
Hydrotreated heavy naphthenic distillates	64742-52-5	No	No	No

(petroleum) (Mild)				
Aluminum oxide	1344-28-1	Yes	Yes	Yes

Inventory					
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	TSCA
Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Yes	No	Yes	Yes
Aluminum oxide	1344-28-1	Yes	No	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Aluminum oxide 1344-28-1 30% TO 60% Uncontrolled product according to WHMIS classification criteria
- Aluminum oxide as Aluminum insoluble compounds 30% TO 60% Not Listed
- Hydrotreated heavy naphthenic distillates (petroleum) (Mild) 64742-52-5 40% TO 70% Not Listed

Canada - WHMIS - Ingredient Disclosure List

- Aluminum oxide 1344-28-1 30% TO 60% 1 %
- Aluminum oxide as Aluminum insoluble compounds 30% TO 60% Not Listed
- Hydrotreated heavy naphthenic distillates (petroleum) (Mild) 64742-52-5 40% TO 70% Not Listed

Environment

Canada - CEPA - Priority Substances List

- Aluminum oxide 1344-28-1 30% TO 60% Not Listed
- Aluminum oxide as Aluminum insoluble compounds 30% TO 60% Not Listed
- Hydrotreated heavy naphthenic distillates (petroleum) (Mild) 64742-52-5 40% TO 70% Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

- Aluminum oxide 1344-28-1 30% TO 60% Not Listed
- Aluminum oxide as Aluminum insoluble compounds 30% TO 60% Not Listed
- Hydrotreated heavy naphthenic distillates (petroleum) (Mild) 64742-52-5 40% TO 70% Carc.Cat.2; R45

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

- | | | | |
|--|------------|------------|----------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | T R:45 S:53-45 |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | L |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | S:53-45 |

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - OSHA - Specifically Regulated Chemicals

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- | | | | |
|--|------------|------------|--|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | 1.0 % de minimis concentration (fibrous forms) |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - California - Proposition 65 - Developmental Toxicity

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Not Listed |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

United States - Rhode Island**Labor****U.S. - Rhode Island - Hazardous Substance List**

- | | | | |
|--|------------|------------|------------|
| • Aluminum oxide | 1344-28-1 | 30% TO 60% | Toxic |
| • Aluminum oxide as Aluminum insoluble compounds | | 30% TO 60% | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | 40% TO 70% | Not Listed |

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.
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Section 16 - Other Information

Last Revision Date ● 17/August/2012

Preparation Date ● 11/October/2011

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Key to abbreviations

NDA = No Data Available
