Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

1 Identification

· **Product identifier**

· **Trade name: Baghouse Dust - Lime Amended**

· **Article number:** No other identifiers

· **Recommended use and restriction on use**
· **Recommended use:** Waste material.
· **Restrictions on use:** Contact manufacturer

· **Details of the supplier of the Safety Data Sheet**
· **Manufacturer/Supplier:**
Scepter, Inc.
1485 Scepter Lane
Waverly, TN. 37185
Tel: 931-535-3565

· **Emergency telephone number:** 3E Company: (800) 360-3220 - Contract 10767

2 Hazard(s) identification

· **Classification of the substance or mixture**

Water-react. 3	H261	In contact with water releases flammable gas.
Eye Irrit. 2B	H320	Causes eye irritation.
Carc. 2	H351	Suspected of causing cancer. Route of exposure: Inhalation.
Combustible Dust		May form combustible dust concentrations in air.

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms:**

GHS02 GHS08

· **Signal word:** Warning
· **Hazard statements:**
H261 In contact with water releases flammable gas.
H320 Causes eye irritation.
H351 Suspected of causing cancer. Route of exposure: Inhalation.
May form combustible dust concentrations in air.
· **Precautionary statements:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P231+P232 Handle under inert gas. Protect from moisture.
P280 Wear protective gloves/protective clothing/eye protection.
P370+P378 In case of fire: Use for extinction: Special powder for metal fires.
P370+P378 In case of fire: Use for extinction: Dry sand, graphite powder, or special powder for metal fires.
P308+P313 IF exposed or concerned: Get medical advice/attention.

(Cont'd. on page 2)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 1)

P405 Store locked up.
P402+P404 Store in a dry place. Store in a closed container.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

471-34-1	calcium carbonate	25-40%
1344-28-1	aluminium oxide	25-40%
7429-90-5	aluminium powder (pyrophoric) Pyr. Sol. 1, H250; Water-react. 2, H261	10-20%
7447-40-7	potassium chloride Eye Irrit. 2B, H320	2.5-5%
7439-95-4	magnesium powder (pyrophoric) Pyr. Sol. 1, H250; Water-react. 1, H260	2.5-5%
12125-02-9	ammonium chloride Acute Tox. 4, H302; Eye Irrit. 2A, H319	1-2.5%
7774-34-7	calcium chloride Eye Irrit. 2A, H319	1-2.5%
13463-67-7	titanium dioxide Carc. 2, H351	0.1-1%

· **Additional information:**
Material contains less than 50 ppm (50 mg/l) of the following: Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Lead, Mercury, Nickel, Selenium, and Silver.
Material contains no detectable Volatile Organic Compounds, Semi-Volatile Organic Compounds, TCLP Pesticides, or TCLP Chlorinated Herbicides.
For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements refer to section 16.

4 First-aid measures

· **Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:**
Supply fresh air.
Seek medical treatment in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:**
Brush off loose particles from skin.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

(Cont'd. on page 3)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 2)

· **After eye contact:**
Remove contact lenses if worn.
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; immediately call for medical help.
· **Most important symptoms and effects, both acute and delayed:**
Breathing difficulty
Coughing
Gastric or intestinal disorders
· **Danger:** Suspected of causing cancer. Route of exposure: Inhalation.
· **Indication of any immediate medical attention and special treatment needed:**
Contains heavy metals. Consult literature for specific antidotes.
May produce a metal fume disease effect.
If necessary oxygen respiration treatment.

5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
Dry sand
Graphite powder.
Special powder for metal fires. Do not use water.
· **For safety reasons unsuitable extinguishing agents:** Water
· **Special hazards arising from the substance or mixture**
May form combustible dust concentrations in air.
In contact with water releases flammable gas.
During heating or in case of fire poisonous gases are produced.
Hazardous combustions products: Metal Compounds, Carbon Monoxide, Carbon Dioxide, Nitrous Oxides, Various complex oxides of metals, Nitrogen.
· **Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
· **Additional information:** Evacuate area and fight fire from from the upwind side.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures:**
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
· **Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.
· **Methods and material for containment and cleaning up:**
Pick up mechanically.

(Cont'd. on page 4)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 3)

Send for recovery or disposal in suitable receptacles.
Do not flush with water or aqueous cleansing agents

· **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

· **Handling**
· **Precautions for safe handling:**
Prevent formation of dust.
Any deposit of dust which cannot be avoided must be regularly removed.
Provide suction extractors if dust is formed.
Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.
· **Information about protection against explosions and fires:**
Dust can combine with air to form an explosive mixture.
In contact with water releases flammable gas.
Protect against electrostatic charges.
Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and receptacles:**
Protect from humidity and water.
Avoid storage near extreme heat, ignition sources or open flame.
· **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from water.
Do not store together with alkalis (caustic solutions).
Do not store together with acids.
Store away from oxidizing agents.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from humidity and water.
Store receptacle in a well ventilated area.
· **Specific end use(s):** No relevant information available.

8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
471-34-1 calcium carbonate	
PEL (USA)	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction

(Cont'd. on page 5)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 4)

REL (USA)	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn
1344-28-1 aluminium oxide	
PEL (USA)	Long-term value: 15*; 5** mg/m³ *Total dust; ** Respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m³ as Al*Total dust**Respirable/pyro powd./welding f.
TLV (USA)	Long-term value: 1* mg/m³ as Al; *as respirable fraction
EL (Canada)	Long-term value: 1.0 mg/m³ respirable, as Al
EV (Canada)	Long-term value: 10 mg/m³ total dust
LMPE (Mexico)	Long-term value: 1* mg/m³ A4, *fracciòn respirable
7429-90-5 aluminium powder (pyrophoric)	
PEL (USA)	Long-term value: 15*; 5** mg/m³ *Total dust; ** Respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m³ as Al*Total dust**Respirable/pyro powd./welding f.
TLV (USA)	Long-term value: 1* mg/m³ as Al; *as respirable fraction
EL (Canada)	Long-term value: 1.0 mg/m³ respirable, as Al
EV (Canada)	Long-term value: 5 mg/m³ aluminium-containing (as aluminium)
LMPE (Mexico)	Long-term value: 1* mg/m³ A4, *fracciòn respirable
12125-02-9 ammonium chloride	
REL (USA)	Short-term value: 20 mg/m³ Long-term value: 10 mg/m³
TLV (USA)	Short-term value: 20 mg/m³ Long-term value: 10 mg/m³
EL (Canada)	Short-term value: 20 mg/m³ Long-term value: 10 mg/m³ fume
EV (Canada)	Short-term value: 20 mg/m³ Long-term value: 10 mg/m³ fume
LMPE (Mexico)	Short-term value: 20 mg/m³ Long-term value: 10 mg/m³

(Cont'd. on page 6)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 5)

13463-67-7 titanium dioxide	
PEL (USA)	Long-term value: 15* mg/m³ *total dust
REL (USA)	See Pocket Guide App. A
TLV (USA)	Long-term value: 10 mg/m³ withdrawn from NIC
EL (Canada)	Long-term value: 10* 3** mg/m³ *total dust;**respirable fraction; IARC 2B
EV (Canada)	Long-term value: 10 mg/m³ total dust
LMPE (Mexico)	Long-term value: 10 mg/m³ A4

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Vacuum clean contaminated clothing. Do not blow or brush off contamination.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale dust / smoke / mist.
Avoid contact with the eyes and skin.
· **Engineering controls:** Provide adequate ventilation.
· **Breathing equipment:**
For spills, respiratory protection may be advisable.
Particulate mask should filter at least 99% of airborne particles.
Suitable respiratory protective device recommended.
· **Protection of hands:**


Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
· **Eye protection:**


Safety glasses

· **Body protection:**
Impervious protective clothing
Protective work clothing
· **Limitation and supervision of exposure into the environment**
No relevant information available.
· **Risk management measures**
See Section 7 for additional information.

(Cont'd. on page 7)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 6)

No relevant information available.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **Appearance:**	
Form:	Solid in various forms
Color:	Dark grey
· **Odor:**	Ammonia-like
· **Odor threshold:**	Not determined.
· **pH-value:**	Not applicable.
· **Melting point/Melting range:**	Melting Point Range: 900-1220 ° F / 482-649 °C.
· **Boiling point/Boiling range:**	Not determined.
· **Flash point:**	Not applicable.
· **Flammability (solid, gaseous):**	Contact with water liberates extremely flammable gases.
· **Auto-ignition temperature:**	Not determined.
· **Decomposition temperature:**	Not determined.
· **Danger of explosion:**	May form combustible dust concentrations in air.
· **Explosion limits**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapor pressure:**	Not applicable.
· **Density at 20 °C (68 °F):**	2.7 g/cm³ (22.532 lbs/gal)
· **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.
· **Other information**	No relevant information available.

10 Stability and reactivity

· **Reactivity:** No relevant information available.

(Cont'd. on page 8)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 7)

· **Chemical stability:**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
· **Possibility of hazardous reactions:**
Contact with water releases flammable gases.
Strong exothermic reaction with acids.
Contact with acids releases flammable gases.
Reacts with alkali (lyes).
Risk of dust explosion if enriched with fine dust in the presence of air.
Reacts with halogenated compounds.
Toxic fumes may be released if heated above the decomposition point.
Reacts with amines.
· **Conditions to avoid:** No relevant information available.
· **Incompatible materials:** No relevant information available.
· **Hazardous decomposition products:**
Flammable gases/vapors
Toxic metal oxide smoke
Toxic metal compounds
Ammonia
Nitrogen oxides (NOx)
Methane

11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**		
12125-02-9 ammonium chloride		
Oral	LD50	1650 mg/kg (rat)

· **Primary irritant effect:**
· **On the skin:** Based on available data, the classification criteria are not met.
· **On the eye:** Causes eye irritation.
· **Sensitization:** Based on available data, the classification criteria are not met.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer):**		
7631-86-9	silicon dioxide	3
13463-67-7	titanium dioxide	2B

· **NTP (National Toxicology Program):**
None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**
None of the ingredients are listed.

· **Probable route(s) of exposure:**
Ingestion.
Inhalation.

(Cont'd. on page 9)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 8)

Eye contact.
Skin contact.
· **Acute effects (acute toxicity, irritation and corrosivity):** No relevant information available.
· **Repeated dose toxicity:** Possible risk of irreversible effects.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
Carc. 2
· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
· **Carcinogenicity:** Suspected of causing cancer. Route of exposure: Inhalation.
· **Reproductive toxicity:** Based on available data, the classification criteria are not met.
· **STOT-single exposure:** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
· **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity** No relevant information available.
· **Persistence and degradability** No relevant information available.
· **Bioaccumulative potential:** May be accumulated in organism
· **Mobility in soil:** No relevant information available.
· **Ecotoxical effects:**
· **Remark:** Harmful to fish
· **Additional ecological information**
· **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
The product contains heavy metals. Avoid transfer into the environment. Specific preliminary treatments are necessary.
Harmful to aquatic organisms
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
· **Other adverse effects:** No relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Contact waste processors for recycling information.
Must be specially treated adhering to official regulations.
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.

(Cont'd. on page 10)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 9)

· **Uncleaned packagings**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**
· **DOT, ADR, IMDG, IATA** UN3170

· **UN proper shipping name**
· **DOT** 3170 Aluminum remelting by-products
· **ADR** 3170 ALUMINIUM REMELTING BY-PRODUCTS
· **IMDG** ALUMINIUM REMELTING BY-PRODUCTS
· **IATA** Aluminum remelting by-products

· **Transport hazard class(es)**

· **DOT**

· **Class** 4.3 Substances which, in contact with water, emit flammable gases
· **Label** 4.3

· **ADR**

· **Class** 4.3 (W2) Substances which, in contact with water, emit flammable gases
· **Label** 4.3

· **IMDG, IATA**

· **Class** 4.3 Substances which, in contact with water, emit flammable gases
· **Label** 4.3

· **Packing group**
· **DOT, ADR, IMDG, IATA** III

· **Environmental hazards**
· **Marine pollutant:** No

(Cont'd. on page 11)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 10)

· **Special precautions for user**	Warning: Substances which, in contact with water, emit flammable gases
· **Danger code (Kemler):**	40
· **EMS Number:**	F-G,S-P
· **Segregation groups**	Powdered metals
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.

15 Regulatory information

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

· **Section 302 (extremely hazardous substances):**
None of the ingredients are listed.

· **Section 304 (emergency release notification):**
None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

1344-28-1	aluminium oxide
7429-90-5	aluminium powder (pyrophoric)

· **TSCA (Toxic Substances Control Act)**
All ingredients are listed.

· **Proposition 65 (California)**
· **Chemicals known to cause cancer:**
Present in trace quantities: lead, nickel.

13463-67-7	titanium dioxide
7440-02-0	nickel
7439-92-1	lead

· **Chemicals known to cause reproductive toxicity for females:**

7439-92-1	lead

· **Chemicals known to cause reproductive toxicity for males:**

7439-92-1	lead

· **Chemicals known to cause developmental toxicity:**

7439-92-1	lead

(Cont'd. on page 12)

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 11)

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**		
7440-50-8	copper	D
7439-96-5	manganese	D

· **IARC (International Agency for Research on Cancer):**		
7631-86-9	silicon dioxide	3
13463-67-7	titanium dioxide	2B

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**	
13463-67-7	titanium dioxide

· **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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.

· **Date of preparation / last revision** 05/06/2016 / -

· **Abbreviations and acronyms:**
ADR: 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
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Pyr. Sol. 1: Pyorphoric Solids, Hazard Category 1
Water-react. 1: Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 1

Water-react. 2: Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 2

Water-react. 3: Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
Carc. 2: Carcinogenicity, Hazard Category 2

· **Sources**

(Cont'd. on page 13)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 05/06/2016 Revision: 05/06/2016

Trade name: Baghouse Dust - Lime Amended

(Cont'd. of page 12)

Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

SDS Prepared by:
ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com