

1. Identification Product Identifier: Alumin Manufacturer: Hohmann & Ban 30 Rasons Cour Hauppauge, NY 11788 (631) 234-0600 www.h-b.com Recommended use: Vario Recommended restriction	nard, Inc. t ous aluminum vent products	Telephone Numbers During normal business hours c 24-hour emergency call Chemtre	all: (800) 645-0616 ec: (800) 255-3924
2. Hazards Identificat Physical hazards: Health hazards:	Not classified. Acute toxicity, inhalation Sensitization, respiratory Sensitization, skin Carcinogenicity Reproductive toxicity Specific target organ tox		gory 1 Category 1 Category 2 Category 1 gory 1
Environmental hazards OSHA defined hazards	Not classified. Combustible dust		
Label elements			
	an allergic skin reaction. Suspe child by inhalation. Causes dam May form combustible dust con	cted of causing cancer by inhalation nage to organs through prolonged	athing difficulties if inhaled. May cause on. May damage fertility or the unborn or repeated exposure by inhalation.
Precautionary s			othing difficultion if inholed May across
Prevention	an allergic skin reaction. Suspe child by inhalation. Causes dam May form combustible dust con	cted of causing cancer by inhalation hage to organs through prolonged centrations in air.	athing difficulties if inhaled. May cause on. May damage fertility or the unborn or repeated exposure by inhalation.
Response	periencing respiratory symptom plenty of soap and water. If ski	s: Call a POISON CENTER or doo	keep comfortable for breathing. If ex- ctor/physician. IF ON SKIN: Wash with dical advice/attention. Wash contami- al advice/attention.
Storage	Store in a dry place.	•	
Disposal	Dispose of contents/container in Reuse or recycle material when	n accordance with local/regional/na	ational/international regulations.
Supplemental i	otherwise classified (HNOC): nformation:	Avoid dust formation. None.	
Specific hazard			
	zards may be present when: as supplied. Small chips, fine turnir	ngs, and dust from processing ma	v be readily ignitable.
<ul> <li>Dust or fines</li> </ul>	are dispersed in air.	0 / · · · · · · · · · · · · · · · · · ·	, ,
	or fines are in contact with water.		
Dust in conta	act with certain metal oxides (rust).		

Molten metal in contact with water/moisture or certain metal oxides (rust)

Health effects from mechanical processing (e.g., cutting, grinding): Can cause irritation of the eyes, skin and respiratory tract.

## 3. Composition/Information on Ingredients

Composition comments: Complete composition is provided below and may include some components classified as non-hazardous.

Chemical and common names	CAS number	%
Aluminum	7429-90-5	>88.2
Silicon	7440-21-3	0 - 11.6
Zinc	7440-66-6	0 - 6.6
Nickel	7440-02-0	0 - 6.1
Copper	7440-50-8	0 - 4.1
Manganese	7439-96-5	0 - 3.1
Magnesium	7439-95-4	0 - 3.1
Chromium	7440-47-3	0 - 0.36
Vanadium	7440-62-2	0 - 0.26
Lead	7439-92-1	0 - 0.11

#### 4. First-Aid Measures

Eye contact Dust and fumes from processing: Rinse eyes with plenty of water or saline for at least 15 minutes. Consult a physician.

- Skin contact Dust and fume from processing or contact with lubricant/residual oil: Wash with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.
- Inhalation Dust and fumes from processing: Remove to fresh air. Check for clear airway, breathing, and presence of pulse. If breathing is difficult, provide oxygen. Loosen any tight clothing on neck or chest. Provide cardiopulmonary resuscitation for persons without pulse or respirations. Consult a physician.

Ingestion Not likely, due to the form of the product.

Most important symptoms/effects, acute and delayed

Dust and fume from processing or contact with lubricant/residual oil: Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

Health effects from mechanical processing (e.g., cutting, grinding):

Contains nickel. May produce an allergic reaction. Can cause irritation of the respiratory tract. Chronic exposure: Can cause reduction in the number of red blood cells (anemia), skin abnormalities (pigmentation changes), respiratory sensitization, scarring of the lungs (pulmonary fibrosis), central nervous system damage, secondary Parkinson's disease and reproductive harm.

Additional health effects from elevated temperature processing (e.g., welding, melting): Can cause metal fume fever (nausea, chills, fever, shortness of breath and malaise), the accumulation of fluid in the lungs (pulmonary edema) and reduced ability of the blood to carry oxygen (methemaglobin). Chronic exposure: Can cause respiratory sensitization and lung cancer.

See Section 11 of the SDS for additional information on health hazards. If breathing is difficult, give oxygen. Symptoms may be delayed.

General information If exposed or concerned: Get medical advice/attention.

# 5. Fire-fighting measures

#### Suitable extinguishing media:

Use Class D extinguishing agents on dust or molten metal

Use coarse water spray on chips and turning

Apply extinguishing media carefully to avoid creating airborne dust

Unsuitable extinguishing media:

DO NOT USE halogenated extinguishing agents on small chips/dust

DO NOT USE water in fighting fires around molten metal

Special Fire Fighting Procedures: IN SHEET, OR COIL FORM, MATERIAL DOES NOT BURN. IN POWDER OR CHIP FORM, USE DRY POWDER OR SAND. DO NOT USE WATER OR HALOGEN EXTINGUISHING AGENT.

Unusual fire and explosion hazards:

WATER, OXIDIZERS AND MANY OTHER CHEMICALS REACT EXPLOSIVELY IN CONTACT WITH MOLTEN ALUMINUM. FINE CHIPS, TURNINGS, AND DUSTS IN AIR MAY EXPLODE IF IGNITION SOURCE IS PRESENT.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid generating dust. Avoid contact with sharp edges or heated metal. Avoid inhalation of fumes from molten product. Molten,

heated and cold aluminum look alike; do not touch unless you know it is cold. Use personal protection recommended in Section 8 of the SDS.

Evacuation procedures:

Keep unnecessary personnel away.

Methods and materials for containment and cleaning up:

Collect scrap for recycling.

If molten: Use dry sand to contain the flow of material.. All tooling (e.g., shovels or hand tools) and containers which come in contact with molten metal must be preheated or specially coated, rust free and approved for such use. Allow the spill to cool before remelting as scrap.

Environmental precautions:

Collect spillage.

# 7. Handling and storage

Handling Keep material dry. Avoid generating dust. Avoid contact with sharp edges or heated metal. Hot and cold aluminum are not visually different. Hot aluminum does not necessarily glow red. Use personal protection recommended in Section 8 of the SDS.8. Exposure controls/personal protection

Storage Store in a dry place. Keep dry.

# 8. Exposure controls/personal protection

Occupational exposure limits			
U.S OSHA			
Components	Туре	Value	Form
Aluminum (CAS 7429-90-5)	TWA	5 mg/m3	Respirable fraction
Chromium (CAS 7440-47-3)	TWA	1 mg/m3	
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
		0.1 mg/m3	Fume.
Lead (CAS 7439-92-1)	TWA	0.05 mg/m3	(as Pb)
Manganese (CAS 7439-96-5)	Ceiling	5 mg/m3	Fume
Nickel (CAS 7440-02-0)	TWA	1 mg/m3	
Silicon (CAS 7440-21-3)	TWA	5 mg/m3	Respirable fraction.
- · · ·		15 mg/m3	Total dust

Appropriate engineering controls: Dust and fumes from processing: Use with adequate explosion-proof ventilation designed to handle particulates to meet the limits listed above.

Respiratory Protection (Specify Type): NONE FOR SOLID STATE. IF DUST, FUMES, FINES, TURNINGS OR POWDER ARE PRES-ENT. USE NIOSH APPROVED RESPIRATOR.

Ventilation: AS REQUIRED FOR DUST/FUME PRODUCING OPERATIONS. Protective Gloves: USE STRONG INDUSTRIAL GLOVES TO AVOID LIMB INJURIES. Eye Protection: USE SAFETY GLASSES IN ALL INDUSTRIAL OPERATIONS.

# 9. Physical and chemical properties

· · · · · · · · · · · · · · · · · · ·	-			
Boiling Point: N/A	Specific Gravity (H2O=1): 2.7	Vapor Pressure (mm Hg): Not applicable		
Percent Volatile by Volume: 0%	Vapor Density (Air = 1): Not applicable	Evaporation Rate: Not applicable		
Solubility in Water: INSOLUBLE	Reactivity in Water: NONE IN SOLID STAT	E		
Appearance: SILVERY, DUCTILE METAL	(SOLID) COATED WITH VARIATIONS OF CO	LORS		
Odor: NONE	Flash Point: Not applicable			
Flammable Limits in Air % by Volume: Not	applicable			
Extinguisher Media: DOES NOT BURN		Auto-Ignition Temperature: Not applicable		
Odor threshold: Not applicable				
pH: Not applicable	Melting point/freezing point: 900 - 1200 °F	(482.22 - 648.89 °C)		
Initial boiling point and boiling range: Not o	determined			
Flash point: Not applicable	Evaporation rate: Not applicable	Flammability (solid, gas): Not applicable.		
Upper/lower flammability or explosive limits:				
Flammability limit - upper (%)	Not applicable			
Flammability limit - lower (%)	Not applicable			
Explosive properties: Dust clouds may be explosive under certain conditions.				
Dust explosion properties St class:	Strong explosion.			
Vapor pressure: Not applicable	Vapor density: Not applicable	Relative density: Not determined		
Solubility(ies): Insoluble	Auto-ignition temperature: Not applicable	Decomposition temperature: Not applicable		
Viscosity: Not applicable				

## 10. Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport. Chemical stability: Stable under normal conditions of use, storage, and transportation as shipped.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: Chips, fines, dust and molten metal are considerably more reactive with the following:

- · Heat: Oxidizes at a rate dependent upon temperature and particle size.
- Water: Slowly generates flammable/explosive hydrogen gas and heat. Generation rate is greatly increased with smaller particles (e.g., fines and dusts). Molten metal can react violently/explosively with water or moisture, particularly when the water is entrapped. Incompatible Materials: Chips, fines, dust and molten metal are considerably more reactive with the following
- Strong oxidizers: Violent reaction with considerable heat generation. Can react explosively with nitrates (e.g., ammonium nitrate and gertilizers containing nitrate) when heated or molten.
- Acids and alkalis: Reacts to generate flammable/explosive hydrogen gas. Generation rate is greatly increased with smaller particles (e.g., fines and dusts)
- Halogenated compounds: Many halogenated hydrocarbons, including halogenated fire extinguishing agents, can react violently with finely divided or molten aluminum.
- Iron oxide (rust and other metal oxides (e.g., copper and lead oxides): A violent thermite reaction generating considerable heat can
  occur. Reaction with aluminum fines and dusts requires only generating considerable heat can occur. Reaction with aluminum fines
  and dusts requires only very weak ignitin sources for initiation. Molten aluminum can react violently with iron oxide without external
  ignition source.
- Iron powder and water: Explosive reaction forming hydrogen gas when heated above 1470°F (800°C)

Thermite explosions have been reported when aluminum alloys were melted in furnaces used for alloying with lead, bismuth or other metals with low melting temperatures. These metals, when added as high purity ingots, can seep through cracks in furnace liners and become oxidized. During subsequent melts in the furnace, molten aluminum can contact these metal oxides resulting in a thermite explosion.

Hazardous decomposition products: No hazardous decomposition products are known.

## 11. Toxilogical information

Threshold Limit Value: PLEASE NOTE SECTION 8 Signs and Symptoms of Exposure:

1. Acute Overexposure: SHORTNESS OF BREATH FROM INHALATION OF ALUMINUM DUST.

2. Chronic Overexposure: MAY AGGRAVATE BRONCHIAL CONDITIONS.

Medical Conditions Generally Aggravated by Exposure: RESPIRATORY ILLNESS.

Chemical Listed as Carcinogen or Potential Carcinogen: NONONational Toxicity Program: NoI.A.R.C. Monographs: NoOSHA: NoOSHA Permissible Exposure Limit: SEE SECTION 8ACGIH Threshold Limit Value:SEE SECTION 8

Emergency and First Aid Procedures:

- 1. Inhalation: Fumes/Dust REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.
- 2. Eyes: Fumes/Dust FLUSH WITH WATER. GET MEDICAL ATTENTION.
- 3. Skin: Molten State USE COPIUS AMOUNTS OF POTABLE WATER ON EXPOSED AREAS.
- 4. Ingestion: N/A

# 12. Ecological Information

Ecotoxicity: Not expected to be harmful to aquatic organisms Persistence and degradability: Not inherently biodegradable. Bioaccumulative potential: The product is not bioaccumulating. Mobility in soil: Not considered mobile. Mobility in general: Not applicable. Other adverse effects: None known.

## **13. Disposal Considerations**

Disposal instructions: Reuse or recycle material whenever possible. If reuse or recycling is not possible, disposal must be made according to local or governmental regulations.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Waste codes:

RCRA Status: Not federally regulated in the U.S. if disposed of "as is."

RCRA waste codes other than described here may apply depending on use of the product. Status must be determined at the point of waste generation. Refer to 40 CFR 261 or state equivalent in the U.S. TCLP testing is

recommended for chromium and lead in a waste disposal scenario.

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#### US RCRA Hazardous Waste P List: Reference

Nitric oxide	(CAS 10102-43-9)	P076
Nitrogen dioxide	(CAS 10102-44-0)	P078
Vanadium pentoxide	(CAS 1314-62-1)	P120
e		

Waste from residues / unused products: Dispose of in accordance with local regulations. Contaminated packaging: Dispose of in accordance with local regulations.

## 14. Transport information

General Shipping Information

Basic Shipping Information	
ID number	-
Proper shipping name	Not regulated
Hazard class	-
Packing group	-
Shipping Notes: When "not regulated"	enter the proper freig

General Shipping Notes: When "not regulated", enter the proper freight classification, SDS Number and Product Name onto the shipping paperwork.

Disclaimer: This section provides basic classification information and, where relevant, information with respect to specific modal regulations, environmental hazards and special precautions. Otherwise, it is presumed that the information is not available/not relevant

# 15. Regulatory Information

US federal regulations:

In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals. All electrical equipment must be suitable for use in hazardous atmospheres involving aluminum powder in accordance with 29 CFR 1910.307. The National Electrical Code, NFPA 70, contains guidelines for determining the type and design of equipment and installation which will meet this requirement.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Chromium (VI) compounds (CAS 18540-29-9) Chromium (VI) compounds, certain water insoluble forms (CAS Not available)	0.1 % Annual Export Notification required. 0.1 % Annual Export Notification required.
Chromium (VI) compounds, water soluble forms (CAS Not ava	ailable) 0.1 % Annual Export Notification required.
CERCLA Hazardous Substance List (40 CFR 302.4)	
Chromium (CAS 7440-47-3)	LISTED
Chromium (II) compounds (CAS Not available)	LISTED
Chromium (III) compounds (CAS Not available)	LISTED
Chromium (VI) compounds (CAS 18540-29-9)	LISTED
Copper (CAS 7440-50-8)	LISTED
Lead (CAS 7439-92-1)	LISTED
Manganese (CAS 7439-96-5)	LISTED
Manganese compounds, inorganic (CAS Not available)	LISTED
Nickel (CAS 7440-02-0)	LISTED
Nickel compounds, insoluble (CAS Not available)	LISTED
Nitric oxide (CAS 10102-43-9)	LISTED
Nitrogen dioxide (CAS 10102-44-0)	LISTED
Vanadium pentoxide (CAS 1314-62-1)	LISTED
Zinc (CAS 7440-66-6)	LISTED
Zinc oxide (CAS 1314-13-2)	LISTED
US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.	
Nitric oxide (CAS 10102-43-9)	10 lbs
Nitrogen dioxide (CAS 10102-44-0)	10 lbs
Ozone (CAS 10028-15-6)	100 lbs
Vanadium pentoxide (CAS 1314-62-1)	1000 lbs
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-105	,
Chromium (VI) compounds (CAS 18540-29-9)	Cancer
Chromium (VI) compounds, certain water insoluble forms	Cancer
(CAS Not available)	
Chromium (VI) compounds, water soluble forms	Cancer
(CAS Not available)	
Lead (CAS 7439-92-1)	Reproductive toxicity
Chromium (VI) compounds (CAS 18540-29-9)	Eye irritation
Chromium (VI) compounds, certain water insoluble forms	Eye irritation

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	,,	
(CAS Not availa		
Chromium (VI) c (CAS Not availa	compounds, water soluble forms	Eye irritation
Lead (CAS 7439		Central nervous system
	compounds (CAS 18540-29-9)	Skin sensitization
Chromium (VI) o (CAS Not availa	compounds, certain water insoluble forms ble)	Skin sensitization
	compounds, water soluble forms	Skin sensitization
Lead (CAS 7439	,	Kidney Blood Acute toxicity
Superfund Amendments	and Reauthorization Act of 1986 (SARA)	
Section 311/312 hazard	Immediate Hazard - Yes	If particulates/fumes generated during processing
categories	Delayed Hazard - Yes	If particulates/fumes generated during processing
	Fire Hazard - No Pressure Hazard - No	
	Reactivity Hazard - Yes	If molten
SARA 302 Extremely haz		inmoleti
SARA 311/312 Hazardou		
SARA 313 (TRI reporting		
Chemical name	CAS number	% by wt.
Aluminum	7429-90-5	>88.2
Zinc	7440-66-6	0 - 6.6
Nickel	7440-02-0	0 - 6.1
Copper Manganese	7440-50-8 7439-96-5	0 - 4.1 0 - 3.1
Lead	7439-90-3	0 - 0.11
Copper Lead ( Magne Magne Nickel Nitric o Nitroge Oil mis Ozone Silicon Vanadi Zinc ( Zinc ox US. New Jersey Alumin Alumin Chrom Chrom Chrom Chrom Chrom Chrom Chrom	um oxide (non-fibrous) (CAS 1344-28-1) Cl r (CAS 7440-50-8) CAS 7439-92-1) sium (CAS 7439-95-4) sium oxide (CAS 1309-48-4) Manganese (C (CAS 7440-02-0) xide (CAS 10102-43-9) en dioxide (CAS 10102-44-0) t, mineral (CAS 8012-95-1) (CAS 10028-15-6) (CAS 7440-21-3) um (CAS 7440-62-2) um pentoxide (CAS 1314-62-1) CAS 7440-66-6) cide (CAS 1314-13-2) v Worker and Community Right-to-Know Act um (CAS 7429-90-5) um oxide (non-fibrous) (CAS 1344-28-1) ium (CAS 7440-47-3) ium (II) compounds (CAS Not available) ium (VI) compounds (CAS Not available) ium (VI) compounds (CAS 18540-29-9) ium (VI) compounds, water soluble forms (C r (CAS 7439-92-1) nese (CAS 7439-96-5) nese compounds, inorganic (CAS Not available)	CAS 7439-96-5) 500 lbs 500 lbs
Nickel	(CAS 7440-02-0)	500 lbs
	compounds, insoluble (CAS Not available) xide (CAS 10102-43-9)	500 lbs 100 lbs
		601001

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# SAFETY DATA SHEET

	-	
	Nitrogen dioxide (CAS 10102-44-0)	100 lbs
	Ozone (CAS 10028-15-6)	100 lbs
	Vanadium (CAS 7440-62-2)	500 lbs
	Vanadium pentoxide (CAS 1314-62-1)	100 lbs
	Zinc (CAS 7440-66-6)	500 lbs
	Zinc oxide (CAS 1314-13-2)	500 lbs
US. Pen	nsylvania RTK - Hazardous Substances	
	Aluminum (CAS 7429-90-5)	
	Aluminum oxide (non-fibrous) (CAS 1344-28-1)	
	Chromium (CAS 7440-47-3)	
	Chromium (VI) compounds, certain water insoluble forms (CAS Not ava	ailable)
	Chromium (VI) compounds, water soluble forms (CAS Not available)	
	Copper (CAS 7440-50-8)	
	Lead (CAS 7439-92-1)	
	Magnesium (CAS 7439-95-4)	
	Magnesium oxide (CAS 1309-48-4)	
	Manganese (CAS 7439-96-5)	
	Nickel (CAS 7440-02-0)	
	Nitric oxide (CAS 10102-43-9)	
	Nitrogen dioxide (CAS 10102-44-0) Oil mist, mineral (CAS 8012-95-1)	
	Ozone (CAS 10028-15-6)	
	Silica, amorphous (CAS 69012-64-2)	
	Silicon (CAS 7440-21-3)	
	Vanadium (CAS 7440-62-2)	
	Vanadium pentoxide (CAS 1314-62-1)	
	Zinc (CAS 7440-66-6)	
	Zinc oxide (CAS 1314-13-2)	
US. Rho	bde Island RTK	
	Aluminum (CAS 7429-90-5)	
	Aluminum oxide (non-fibrous) (CAS 1344-28-1)	
	Chromium (CAS 7440-47-3)	
	Chromium (II) compounds (CAS Not available)	
	Chromium (VI) compounds (CAS 18540-29-9)	
	Chromium (VI) compounds, water soluble forms (CAS Not available)	
	Copper (CAS 7440-50-8)	
	Lead (CAS 7439-92-1)	
	Manganese (CAS 7439-96-5)	
	Manganese compounds, inorganic (CAS Not available)	
	Nickel (CAS 7440-02-0)	
	Nickel compounds, insoluble (CAS Not available)	
	Nitric oxide (CAS 10102-43-9) Nitrogen dioxide (CAS 10102-44-0)	
	Ozone (CAS 10028-15-6)	
	Vanadium (CAS 7440-62-2)	
	Vanadium pentoxide (CAS 1314-62-1)	
	Zinc (CAS 7440-66-6)	
	Zinc oxide (CAS 1314-13-2)	
US. Cali	fornia Proposition 65	
	WARNING: This product contains a chemical known to the State of Ca	alifornia to cause cancer and birth defects or
	other reproductive harm.	
	US - California Proposition 65 - CRT: Listed date/Carcinogenic substan	се
	Chromium (VI) compounds (CAS 18540-29-9)	Listed: February 27, 1987
	Chromium (VI) compounds, certain water insoluble forms	Listed: February 27, 1987
	(CAS Not available)	
	Chromium (VI) compounds, water soluble forms	Listed: February 27, 1987
	(CAS Not available)	
	Lead (CAS 7439-92-1)	Listed: October 1, 1992
	Nickel (CAS 7440-02-0)	Listed: May 7, 2004
	Nickel compounds, insoluble (CAS Not available)	Listed: May 7, 2004
	Vanadium pentoxide (CAS 1314-62-1)	Listed: February 11, 2005
	US - California Proposition 65 - CRT: Listed date/Developmental toxin	

Chromium	(VI) compounds (CAS 18540-29-9)	Listed: Decembe	ar 10, 2008
	(VI) compounds, certain water insoluble forms	Listed: Decembe	
(CAS Not a		Listed. Decembe	1 13, 2000
	(VI) compounds, water soluble forms	Listed: Decembe	er 19, 2008
(CAS Not a			
	7439-92-1)	Listed: February	27, 1987
	osition 65 - CRT: Listed date/Female reproductive		
	(VI) compounds (CAS 18540-29-9)	Listed: Decembe	er 19, 2008
	(VI) compounds, certain water insoluble forms	Listed: Decembe	
(CAS Not a			
	(VI) compounds, water soluble forms	Listed: Decembe	er 19, 2008
(CAS Not a	available)		
Lead (CAS	7439-92-1)	Listed: February	27, 1987
US - California Prop	osition 65 - CRT: Listed date/Male reproductive to	xin	
Chromium	(VI) compounds (CAS 18540-29-9)	Listed: Decembe	er 19, 2008
Chromium	(VI) compounds, certain water insoluble forms	Listed: Decembe	er 19, 2008
(CAS Not a	available)		
Chromium	(VI) compounds, water soluble forms	Listed: Decembe	er 19, 2008
(CAS Not a	available)		
Lead (CAS	7439-92-1)	Listed: February	27, 1987
International Inventories			
Country(s) or region	Inventory name		On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substance	es (AICS)	Yes
Canada	Domestic Substances List (DSL)		Yes
Canada	Non-Domestic Substances List (NDSL)		No
China	Inventory of Existing Chemical Substances		Yes
Europe	European Inventory of Existing Commercia	al Chemical	Yes
	Substances (EINECS)		No
Europe	European List of Notified Chemical Substa		No
Japan	Inventory of Existing and New Chemical S	ubstances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)		Yes
New Zealand	New Zealand Inventory		Yes
Philippines	Philippine Inventory of Chemicals and Che (PICCS)	emical Substances	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inve	ntory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

Issue Date: May 31, 2015

Revision Date: May 31, 2015

Disclaimer: All information, recommendations, and suggestions appearing herein concerning this product are taken from sources or based upon data believed to be reliable. Although reasonable care has been taken in the preparation of this information, Hohmann & Barnard extends no warranties or guarantees, express or implied, makes no representations, and assumes no responsibility as to the accuracy, reliability or completeness of the information presented. Since the actual use of the product described herein is beyond our control, POSCO assumes no liability arising out of the use of the product by others. It is the user's responsibility to determine the suitability of the information presented herein, to assess the safety and toxicity of the product under their own conditions of use, and to comply with all applicable laws and regulations. Appropriate warnings and safe handling procedures should be provided to handlers and users.



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