

SAFETY DATA SHEET

1. Identification

Product identifier	Silicon Bronze Alloy		
Other means of identification			
SDS number	11		
Product code	C64200, C65100, C65500, C66100, C69400, C87300, C87400, C87500, C87600, C87850		
Recommended use	Manufacturing		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier	r/Distributor information		
Company name	Concast Metal Products Company		
Address	14315 State Route 113, Birmingham, OH 44816		
Telephone	1-440-965-4455		
E-mail	sales@concast.com		
Emergency phone number	1-800-424-9300		
	Chemtrec (24-hrs)		

2. Hazard(s) identification

Label elements

Physical hazards	Not classified.	
Health hazards	Reproductive toxicity	Category 1A
	Reproductive toxicity	Effects on or via lactation
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Combustible dust	



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Signal word	Danger
Hazard statement	May form combustible dust concentrations in air. May damage fertility or the unborn child. May cause harm to breast-fed children. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Prevent dust accumulation to minimize explosion hazard. Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Do not breathe dust/fume. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Observe good industrial hygiene practices.
Response	If exposed or concerned: Get medical advice/attention. In case of fire: Use appropriate media to extinguish. Collect spillage.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Copper	7440-50-8	74 - 94
Zinc	7440-66-6	0.2 - 16
Aluminium	7429-90-5	0 - 7.6
Silicon	7440-21-3	1.5 - 5.5
Manganese	7439-96-5	0 - 1.5
Lead	7439-92-1	0 - 0.8

Composition comments

Fire fighting

equipment/instructions Specific methods

General fire hazards

All concentrations are in percent by weight unless otherwise indicated.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing and wash skin with soap and water. In case of contact with hot or molten product, cool rapidly with water and seek immediate medical attention. Do not attempt to remove molten product from skin because skin will tear easily. Cuts or abrasions should be treated promptly with thorough cleansing of the affected area.
Eye contact	Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye, mucous membranes and respiratory tract. Prolonged exposure may cause chronic effects. Contact with hot material can cause thermal burns which may result in permanent damage.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.
5. Fire-fighting measures	
Suitable extinguishing media	Special powder against metal fires. Dry sand. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid creating airborne dust. Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
Unsuitable extinguishing media	Do not use water or halogenated extinguishing media. Hot molten material will react violently with water resulting in spattering and fuming.
Specific hazards arising from the chemical	Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. Contact with acids will release flammable hydrogen gas. During fire, gases hazardous to health may be formed.

release flammable hydrogen gas. During fire, gases hazardous to health may be formed. Combustion products may include: metal oxides. Upon combustion, this product may yield toxic vapors/fumes of lead and lead compounds.

Special protective equipment Self-contained breathing apparatus and full protective clothing must be worn in case of fire. and precautions for firefighters

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials.

May form combustible dust concentrations in air.

6. Accidental release measures

6. Accidental release meas	sures
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of fumes from heated product. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). The product is immiscible with water and will sediment in water systems. Stop the flow of material, if this is without risk. Allow molten material to cool and solidify before disposal. Recover and recycle, if practical.
	Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.
	Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.
	Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces No smoking. Explosion-proof general and local exhaust ventilation.
	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Components	Туре	Value	
Lead (CAS 7439-92-1)	TWA	0.05 mg/m3	
US. OSHA Table Z-1 Limits for Air (Components	Contaminants (29 CFR 1910.1000) Type	Value	Form
Aluminium (CAS 7429-90-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Copper (CAS 7440-50-8)	PEL	1 mg/m3	Dust and mist.
		0.1 mg/m3	Fume.
Manganese (CAS 7439-96-5)	Ceiling	5 mg/m3	Fume.
Silicon (CAS 7440-21-3)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. OSHA Table Z-3 (29 CFR Components	Туре	1		Value	Form
Aluminium (CAS 7429-90-5)	TWA			5 mg/m3	Respirable fraction.
				15 mg/m3	Total dust.
				50 mppcf	Total dust.
				15 mppcf	Respirable fraction.
US. ACGIH Threshold Limit V Components	alues Type			Value	Form
Aluminium (CAS 7429-90-5)	TWA			1 mg/m3	Respirable fraction.
Copper (CAS 7440-50-8)	TWA			1 mg/m3	Dust and mist.
				0.2 mg/m3	Fume.
Lead (CAS 7439-92-1)	TWA			0.05 mg/m3	
Manganese (CAS 7439-96-5)	TWA			0.1 mg/m3	Inhalable fraction.
				0.02 mg/m3	Respirable fraction.
US. NIOSH: Pocket Guide to Components	Chemical Hazards Type	1		Value	Form
Aluminium (CAS 7429-90-5)	TWA			5 mg/m3	Welding fume or pyrophoric powder.
				5 mg/m3	Respirable.
				10 mg/m3	Total
Copper (CAS 7440-50-8)	TWA			1 mg/m3	Dust and mist.
Lead (CAS 7439-92-1)	TWA			0.05 mg/m3	
Manganese (CAS 7439-96-5)	STEL	-		3 mg/m3	Fume.
	TWA			1 mg/m3	Fume.
Silicon (CAS 7440-21-3)	TWA			5 mg/m3	Respirable.
				10 mg/m3	Total
ogical limit values ACGIH Biological Exposure la Components Va	ndices lue	Determinant	Specimen	Sampling	Time
Lead (CAS 7439-92-1) 200) µg/l	Lead	Blood	*	
* - For sampling details, please	see the source doci	ument.			
trols	Ventilation rates she exhaust ventilation,	ould be matched to or other engineeri	o conditions. If ng controls to	applicable, use maintain airborr	l ventilation should be used process enclosures, local ne levels below recommend ain airborne levels to an
vidual protection measures, s					
	required for welding	, burning, sawing, at safety glasses, g	brazing, grind goggles, or fac	ing or machining e-shield with filt	f safety glasses or goggles g operations. When welding er lens of appropriate shad worn.
Skin protection					
					n material is heated, wear ommended by the glove
	• •	nemical resistant o	lothing. Use o	f an impervious	apron is recommended.
Respiratory protection	certified respirators.	Wear NIOSH app	proved respirat	or appropriate for	ney must use appropriate or airborne exposure at the jualified professional.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Observe any medical surveillance requirements. When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

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Appearance			
Physical state	Solid.		
Form	Shapes, Solids, Tubes & Turnings.		
Color	Yellow.		
Odor	None.		
Odor threshold	Not available.		
рН	Not available.		
Melting point/freezing point	1680.8 °F (916 °C)		
Initial boiling point and boiling range	Not available.		
Flash point	Not available.		
Evaporation rate	Not available.		
Flammability (solid, gas)	Fine particles may form explosive mixtures with air.		
Upper/lower flammability or expl	osive limits		
Flammability limit - lower (%)	Not available.		
Flammability limit - upper (%)	Not available.		
Vapor pressure	Not available.		
Vapor density	Not available.		
Relative density	8.3		
Solubility(ies)			
Solubility (water)	Insoluble in water.		
Partition coefficient (n-octanol/water)	Not available.		
Auto-ignition temperature	Not available.		
Decomposition temperature	Not available.		
Viscosity	Not available.		
Other information			
Bulk density	0.3 lb/in³ (68 °F (20 °C))		
Explosive properties	Not explosive.		
Oxidizing properties	Not oxidizing.		
10. Stability and reactivity			
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.		
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Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Contact with strong acids will release highly flammable hydrogen gas.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials. Minimize dust generation and accumulation.
Incompatible materials	Strong oxidizing agents. Acids.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful. Elevated temperatures or mechanical action may form du and fumes which may be irritating to the mucous membranes and respiratory tract. Heating about the melting point releases metallic oxides which may cause metal fume fever by inhalation. The symptoms are shivering, fever, malaise and muscular pain.	
Skin contact	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the skin. Hot or molten material may produce thermal burns.	
Eye contact	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eyes. Molten material will produce thermal burns.	
Ingestion	May cause discomfort if swallowed.	
Symptoms related to the physical, chemical and toxicological characteristics	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye, mucous membranes and respiratory tract. Contact with hot material can cause thermal burns which may result in permanent damage.	

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxi	с.	
Components	Species	Test Results	
Silicon (CAS 7440-21-3)			
Acute			
Oral			
LD50	Rat	3160 mg/kg	
Zinc (CAS 7440-66-6)			
Acute			
Oral			
LD50	Mouse	> 5 g/kg	
Skin corrosion/irritation	May cause irritation through me burns.	echanical abrasion. Hot or molten material may produce thermal	
Serious eye damage/eye irritation	May cause irritation through me	echanical abrasion.	
Respiratory or skin sensitization	1		
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected to	cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	Not classifiable as to carcinogenicity to humans.		
IARC Monographs. Overall I	Evaluation of Carcinogenicity		
Lead (CAS 7439-92-1) NTP Report on Carcinogens	i	2B Possibly carcinogenic to humans.	
Lead (CAS 7439-92-1)		Reasonably Anticipated to be a Human Carcinogen.	
	d Substances (29 CFR 1910.10	01-1053)	
Not regulated.			
Reproductive toxicity	May cause harm to breastfed babies. May damage fertility or the unborn child.		
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.		
Aspiration hazard	Not an aspiration hazard.		
Chronic effects	Prolonged exposure may cause	e chronic effects.	
	Lead may produce maternal toxicity, toxicity to the fetus, and adverse effects to blood, bone marrow, central/peripheral nervous systems, kidney, liver, and reproductive system.		
	Chronic exposure to breathing low levels of manganese dust or fume over a long period of time can result in "manganism," a disease of the central nervous system similar to Parkinson's Disease, gait impairment, muscle spasms and behavioral changes.		

Welding or plasma arc cutting of metal and alloys can generate ozone, nitric oxides and ultraviolet radiation. Short-term (acute) overexposure to welding fumes may result in discomfort such as metal fume fever, dizziness, nausea, or dryness or irritation of nose, throat, or eyes. May aggravate pre-existing respiratory problems (e.g. asthma, emphysema). Ozone overexposure may result in mucous membrane irritation or pulmonary discomfort. UV radiation can cause skin erythema and welders flash.

12. Ecological information

Ecotoxicity

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. Alloys in massive forms present a limited hazard for the environment.

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Components		Species	Test Results
Copper (CAS 7440-50-8)			
Aquatic			
Chronic			
Other	NOEC	Juga plicifera	6 µg/l
Lead (CAS 7439-92-1)			
Aquatic			
Acute			
Crustacea	EC50	Ceriodaphnia dubia	0.248 mg/l, 48 hours pH8
Fish	LC50	Pimephales promelas	0.283 mg/l, 96 hours pH8
Zinc (CAS 7440-66-6)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	0.07 mg/l
Fish	LC50	Oncorhynchus mykiss	0.14 mg/l
sistence and degradability	Not releva	ant for inorganic substances.	
accumulative potential	The product contains potentially bioaccumulating substances.		
oility in soil	Alloys in massive forms are not mobile in the environment.		
er adverse effects	This product contains one or more substances identified as hazardous air pollutants (HAPs) per		

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

the US Federal Clean Air Act (see section 15).

14. Transport information

DOT

Not regulated as dangerous goods.

ΙΑΤΑ

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

IS federal regulations	This product is a "Hazardous Che Standard, 29 CFR 1910.1200.	mical" as defi	ned by the OSHA Hazard Com	municatio
TSCA Section 12(b) Ex	port Notification (40 CFR 707, Sub	pt. D)		
Not regulated.				
CERCLA Hazardous Si	ubstance List (40 CFR 302.4)			
Copper (CAS 7440-		sted.		
Lead (CAS 7439-92		sted.		
Zinc (CAS 7440-66-		sted.		
SARA 304 Emergency	release notification			
Not regulated.		004 4050)		
	ulated Substances (29 CFR 1910.1	-		
Lead (CAS 7439-92		eproductive to		
		entral nervous dney	system	
		ood		
		cute toxicity		
Superfund Amendments and R	eauthorization Act of 1986 (SARA)	-		
SARA 302 Extremely hazar				
Not listed.				
SARA 311/312 Hazardous	Yes			
chemical				
	Combustible dust Reproductive toxicity			
chemical Classified hazard categories	Combustible dust	le or repeated	l exposure)	
chemical Classified hazard categories SARA 313 (TRI reporting)	Combustible dust Reproductive toxicity Specific target organ toxicity (sing			
chemical Classified hazard categories	Combustible dust Reproductive toxicity		% by wt.	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium	Combustible dust Reproductive toxicity Specific target organ toxicity (sing CAS nur 7429-90	mber	% by wt . 0 - 7.6	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium Copper	Combustible dust Reproductive toxicity Specific target organ toxicity (sing CAS nur 7429-90 7440-50	mber 0-5 0-8	% by wt. 0 - 7.6 74 - 94	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium Copper Lead	Combustible dust Reproductive toxicity Specific target organ toxicity (sing CAS nur 7429-90 7440-50 7439-92	mber 0-5 0-8 2-1	% by wt. 0 - 7.6 74 - 94 0 - 0.8	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium Copper Lead Manganese	Combustible dust Reproductive toxicity Specific target organ toxicity (sing 7429-90 7440-50 7439-92 7439-90	mber 0-5 0-8 2-1 6-5	% by wt. 0 - 7.6 74 - 94 0 - 0.8 0 - 1.5	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium Copper Lead Manganese Zinc	Combustible dust Reproductive toxicity Specific target organ toxicity (sing CAS nur 7429-90 7440-50 7439-92	mber 0-5 0-8 2-1 6-5	% by wt. 0 - 7.6 74 - 94 0 - 0.8	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium Copper Lead Manganese Zinc Other federal regulations	Combustible dust Reproductive toxicity Specific target organ toxicity (sing 7429-90 7440-50 7439-92 7439-90	mber 0-5 0-8 2-1 6-5 6-6	% by wt. 0 - 7.6 74 - 94 0 - 0.8 0 - 1.5	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium Copper Lead Manganese Zinc Other federal regulations	Combustible dust Reproductive toxicity Specific target organ toxicity (sing 7429-90 7440-50 7439-92 7439-96 7440-66 n 112 Hazardous Air Pollutants (H/	mber 0-5 0-8 2-1 6-5 6-6	% by wt. 0 - 7.6 74 - 94 0 - 0.8 0 - 1.5	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium Copper Lead Manganese Zinc Other federal regulations Clean Air Act (CAA) Sectio Lead (CAS 7439-92-1) Manganese (CAS 7439-	Combustible dust Reproductive toxicity Specific target organ toxicity (sing 7429-90 7440-50 7439-92 7439-96 7440-66 n 112 Hazardous Air Pollutants (H/	mber 0-5 0-8 2-1 6-5 6-6 APs) List	% by wt. 0 - 7.6 74 - 94 0 - 0.8 0 - 1.5 0.2 - 16	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium Copper Lead Manganese Zinc Other federal regulations Clean Air Act (CAA) Sectio Lead (CAS 7439-92-1) Manganese (CAS 7439- Clean Air Act (CAA) Sectio	Combustible dust Reproductive toxicity Specific target organ toxicity (sing 7429-90 7440-50 7439-92 7439-96 7440-66 n 112 Hazardous Air Pollutants (H/ 96-5)	mber 0-5 0-8 2-1 6-5 6-6 APs) List	% by wt. 0 - 7.6 74 - 94 0 - 0.8 0 - 1.5 0.2 - 16	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium Copper Lead Manganese Zinc Other federal regulations Clean Air Act (CAA) Sectio Lead (CAS 7439-92-1) Manganese (CAS 7439-	Combustible dust Reproductive toxicity Specific target organ toxicity (sing 7429-90 7440-50 7439-92 7439-96 7440-66 n 112 Hazardous Air Pollutants (H/ 96-5)	mber 0-5 0-8 2-1 6-5 6-6 APs) List ntion (40 CFF	% by wt. 0 - 7.6 74 - 94 0 - 0.8 0 - 1.5 0.2 - 16	
chemical Classified hazard categories SARA 313 (TRI reporting) Chemical name Aluminium Copper Lead Manganese Zinc Other federal regulations Clean Air Act (CAA) Sectio Lead (CAS 7439-92-1) Manganese (CAS 7439- Clean Air Act (CAA) Sectio Not regulated. Safe Drinking Water Act	Combustible dust Reproductive toxicity Specific target organ toxicity (sing 7429-90 7440-50 7439-92 7439-96 7440-66 n 112 Hazardous Air Pollutants (H/ 96-5) n 112(r) Accidental Release Prever	mber 0-5 0-8 2-1 6-5 6-6 APs) List ntion (40 CFF	% by wt. 0 - 7.6 74 - 94 0 - 0.8 0 - 1.5 0.2 - 16	

bstance List achusetts RIK

Aluminium (CAS 7429-90-5) Copper (CAS 7440-50-8) Lead (CAS 7439-92-1) Manganese (CAS 7439-96-5) Silicon (CAS 7440-21-3) Zinc (CAS 7440-66-6)

US. New Jersey Worker and Community Right-to-Know Act

Aluminium (CAS 7429-90-5) Copper (CAS 7440-50-8) Lead (CAS 7439-92-1) Manganese (CAS 7439-96-5) Silicon (CAS 7440-21-3) Zinc (CAS 7440-66-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Aluminium (CAS 7429-90-5) Copper (CAS 7440-50-8) Lead (CAS 7439-92-1)

Manganese (CAS 7439-96-5) Silicon (CAS 7440-21-3) Zinc (CAS 7440-66-6)

US. Rhode Island RTK

Aluminium (CAS 7429-90-5) Copper (CAS 7440-50-8) Lead (CAS 7439-92-1) Manganese (CAS 7439-96-5) Silicon (CAS 7440-21-3) Zinc (CAS 7440-66-6)

California Proposition 65



WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

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Lead (CAS 7439-92-1)	Listed: October 1, 1992
California Proposition 65 - CRT: Listed of	late/Developmental toxin
Lead (CAS 7439-92-1)	Listed: February 27, 1987
California Proposition 65 - CRT: Listed of	late/Female reproductive toxin
Lead (CAS 7439-92-1)	Listed: February 27, 1987
California Proposition 65 - CRT: Listed of	late/Male reproductive toxin
Lead (CAS 7439-92-1)	Listed: February 27, 1987
US. California. Candidate Chemicals Lis subd. (a))	t. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3,
Aluminium (CAS $7420.00.5$)	

Aluminium (CAS 7429-90-5) Copper (CAS 7440-50-8) Lead (CAS 7439-92-1) Manganese (CAS 7439-96-5) Zinc (CAS 7440-66-6)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies 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, including date of preparation or last revision

Issue date	13-October-2012
Revision date	29-October-2018
Version #	03
Further information	Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.
HMIS® ratings	Health: 3* Flammability: 2 Physical hazard: 0



Disclaimer

Concast Metal Products Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.