

1. Identification	Aluminum Bronze Alloys with Graphite Plugs	
Product identifier		
Other means of identification	C95200, C95210, C95220, C95400, C95420, C95500, C95510, C95600, C95700, C95800,	
Product code	C95900, AB2, ADV22, ADVANCE20, AMS-4640, AMS-4872, CA-104, CA954-A, CB954, CONCAST-380, CDA954JD, CLASS-1, CON-954, CuAl10Fe, CuAl10Fe2, CuAl10Ni, CuAl10Ni5, CuAl10Ni5F, CuAl10Ni-M, CuAl10NiP, CuAl11Ni, CuAl11Fe4, CuAl11FeNi, CuAl9Ni5Fe, RCB 954, Paper Rolls, Aluminum Bronze Solids	
	Manufacturing	
Recommended use Recommended restrictions	Use in accordance with supplier's recommendations.	

Manufacturer/Importer/Supplier/Distributor information

Company name	Anchor Lamina America Inc.
Address	3650 South Derenzy Road, Bellaire, Michigan 49615
Telephone	1-231-533-8646
Emergency phone number	1-800-424-9300
	Chemtrec_(24-hrs)

2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Sensitization, respiratory Category 1	
	Sensitization, skin	Category 1
	Carcinogenicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 1 (lungs)
OSHA defined hazards	Combustible dust	
Label elements		



Signal word	Danger
0	0
Hazard statement	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. Causes damage to organs (lungs) through prolonged or repeated exposure by inhalation. May form combustible dust concentrations in air.
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 fumes and dusts. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Observe good industrial hygiene practices.
Response	If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. If exposed or concerned: Get medical advice/attention. In case of fire: Use special powder against metal fires, dry sand to extinguish.

Store locked up.

Disposal Hazard(s) not otherwise classified (HNOC)

Storage

Dispose of contents/container in accordance with local/regional/national/international regulations. Hot or molten material may produce thermal burns.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Copper	7440-50-8	71-90
Aluminum	7429-90-5	7-16
Manganese	7439-96-5	0-14
Iron	7439-89-6	2-6.5
Nickel	7440-02-0	0-6
Cobalt	7440-48-4	0-3
Silicon	7440-21-3	0-1.5
Zinc	7440-66-6	<0.5
Tin	7440-31-5	<0.3
Graphite	7782-42-5	>0.5

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable limits. Dependent on the product, material may contain less than 0.5% graphite due to the amount of graphite plugs inserted.

4. First-aid measures

Inhalation

Skin contact

Eye contact

Ingestion

delayed

media

the chemical

Most important

Indication of immediate

treatment needed

General information

medical attention and special

5. Fire-fighting measures Suitable extinguishing media Unsuitable extinguishing

Specific hazards arising from

In case of exposure to fumes or particulates: Move to fresh air. Get medical attention if discomfort persists.

Contact with dust: Wash skin with soap and water. In case of alleroic reaction or other skin disorders: Seek medical attention and bring along these instructions. 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.

Contact with dust: Do not rub eyes. Remove any contact lenses. Flush eyes thoroughly with water, taking care to rinse under evelids. If irritation persists, continue flushing for 15 minutes, rinsing from time to time under eyelids. If discomfort continues, consult a physician.

Rinse mouth thoroughly if dust is ingested. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort continues. symptoms/effects, acute and

Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye, mucous membranes and respiratory tract. Cough. Discomfort in the chest. Difficulty in breathing. Shortness of breath. Wheezing. May cause an allergic skin reaction. Dermatitis. Rash. Acute exposure to cobalt metal, dust, and fume may cause irritation of skin and eyes. In sensitized individuals, exposure causes an asthma-like attack, with wheezing, bronchospasm, and dyspnea. Prolonged exposure may cause chronic effects.

Treat symptomatically. Symptoms may be delayed. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Get medical attention if any discomfort develops. Seek medical attention for all burns, regardless how minor they may seem. Show this safety data sheet to the doctor in attendance.

Special powder against metal fires. Dry sand.

Do not use water or halogenated extinguishing media. Hot molten material will react violently with water resulting in spattering and fuming.

During fire, gases hazardous to health may be formed. In a fire, ferronickel may form highly toxic

Special protective equipment and precautions for firefighters

equipment/instructions

Personal precautions.

emergency procedures Methods and materials for

General fire hazards

Firefighting

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Move containers from fire area if you can do it without risk.

Avoid release to the environment.

Solid metal is not flammable; however, finely divided metallic dust or powder may form an explosive mixture with air.

Accidental release measures

Keep unnecessary personnel away. Ensure adequate ventilation. Avoid inhalation of dust and contact with skin and eves. Avoid inhalation of fumes from heated product. Wear protective protective equipment and clothing as described in Section 8 of this safety data sheet.

> Avoid dust formation. Collect dust using a vacuum cleaner equipped with HEPA filter. The vacuum cleaner should be explosion-proofed. If not possible, gently moisten dust before it is collected with shovel, broom or the like. Allow molten material to cool and solidify before disposal. Sweep up or gather material and place in appropriate container for disposal. This material and its container must be disposed of as hazardous waste.

Environmental precautions

containment and cleaning up

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. Persons susceptible for allergic reactions should not handle this product. Welding, burning, sawing, brazing, grinding or machining operations may generate fumes and dusts of metal oxides. Provide adequate ventilation. Avoid contact with sharp edges and hot surfaces. Avoid generation and spreading of dust and fumes. Avoid inhalation of dust and contact with skin and eyes. Avoid contact with hot or molten material. Dust clouds may be explosive under certain conditions. Take precautionary measures against static discharges when there is a risk of dust explosion. Use explosion-proof electrical equipment if airborne dust levels are high. To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system. Wear appropriate personal protective equipment. Do not use water on molten metal. Do not eat, drink or smoke when using the product. Keep the workplace clean. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Keep dry. Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form
Aluminum (CAS 7429-90-5)	PEL	15 mg/m3	Total dust.
		1 mg/m3	Respirable dust.
Cobalt (CAS 7440-48-4)	PEL	0.1 mg/m3	Dust and fume.
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.
Nickel (CAS 7440-02-0)	PEL	1 mg/m3	
Silicon (CAS 7440-21-3)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Tin (CAS 7440-31-5)	PEL	2 mg/m3	
Graphite (CAS 7782-42-5)	PEL	2.5mg/m3	Respirable
US. ACGIH Threshold Limit Values	5		
Components	Туре	Value	Form
Aluminum (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.
Cobalt (CAS 7440-48-4)	TWA	0.02 mg/m3	
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
		0.2 mg/m3	Fume.
Manganese (CAS 7439-96-5)	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.
Nickel (CAS 7440-02-0)	TWA	1.5 mg/m3	Inhalable fraction.
Graphite (CAS 7782-42-5)	TWA	2mg/m3	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Туре	Value	Form
Tin (CAS 7440-31-5)	TWA	2 mg/m3	
US. NIOSH: Pocket Guide to Chem	ical Hazards		
Components	Туре	Value	Form
Aluminum (CAS 7429-90-5)	TWA	5 mg/m3	Respirable.
		5 mg/m3	Welding fume or pyrophoric powder.
		10 mg/m3	Total
Cobalt (CAS 7440-48-4)	TWA	0.05 mg/m3	Dust and fume.
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
Manganese (CAS 7439-96-5)	STEL	3 mg/m3	Fume.
	TWA	1 mg/m3	Fume.
Nickel (CAS 7440-02-0)	TWA	0.015 mg/m3	
Silicon (CAS 7440-21-3)	TWA	5 mg/m3 10 mg/m3	Respirable. Total
Tin (CAS 7440-31-5)	TWA	2 mg/m3	

Biological limit values

Argentina. Biological Exposure Indexes (BEIs) (Decree 351/1979)

Components	Value		
Cobalt (CAS 7440-48-4)	15 μg/l		
Exposure guidelines	Follow standard monitoring procedures.		
Appropriate engineering controls	Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust. Ventilate as needed to control airborne dust. Use explosion-proof ventilation equipment if airborne dust levels are high. Special ventilation should be used to convey finely divided metallic dust generated by grinding, sawing etc., in order to eliminate explosion hazards.		
Individual protection measure	es, such as personal protective equipment		
Eye/face protection	Wear dust-resistant safety goggles where there is danger of eye contact. In addition to safety glasses or goggles, a welding helmet with appropriate shaded shield is required during welding, burning, or brazing. A face shield is recommended, in addition to safety glasses or goggles, during sawing, grinding, or machining.		
Skin protection			
Hand protection	Wear suitable protective gloves to prevent cuts and abrasions. When material is heated, wear gloves to protect against thermal burns. Suitable gloves can be recommended by the glove supplier.		
Other	Wear suitable protective clothing.		
Respiratory protection	In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter. Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Seek advice from local supervisor.		
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.		
General hygiene considerations	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. Contaminated clothing should be laundered separately from other clothing to prevent potential cross-contamination. If possible, an industrial laundry service should be used to eliminate the possibility of contaminating the home environment. Handle in accordance with good industrial hygiene and safety practices. Observe any medical surveillance requirements.		

9. Physical and chemical properties

Appearance	Shapes, Solids, Tubes & Turnings.
Physical state	Solid.
Form	Shapes, Solids, Tubes & Turnings.Yellow to red. Graphite – dark gray/black_
Color	None.
Odor	None
Odor threshold	Not Available

Aluminum Bronze Alloys with Graphite Plugs Issue date: September 14, 2021

n Ll	Natappliashla	
pH Molting point/freezing point	Not applicable. 1814 - 1929.2 °F (990 - 1054 °C)	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	NOT available.	
Flash point	Not available.	
Evaporation rate	Not applicable.	
Flammability (solid, gas)	Fine particles may form explosive mixtures with air.	
Upper/lower flammability or exp	losive limits	
Flammability limit - lower (%)	Not available.	
Flammability limit - upper (%)	Not available.	
Explosive limit - lower (%)	Not available.	
Explosive limit - upper (%)	Not available.	
Vapor pressure	Not applicable.	
Vapor density	Not applicable.	
Relative density	7.5 - 9	
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 applicable.	
Other information		
Bulk density	0.27 - 0.32 lb/in ³ @ 68 F	
Explosive properties	Not explosive.	
Oxidizing properties	Not oxidizing.	
10. Stability and reactivity		
Reactivity	The product is non-reactive under normal conditions of use, storage and transport.	
Chemical stability	Massive metal is stable and non reactive under normal conditions of use, storage and transport.	
Possibility of hazardous reactions	Contact with acids will release flammable hydrogen gas. Hot molten material will react violently with water resulting in spattering and fuming.	
Conditions to avoid	Contact with incompatible materials. Avoid dust formation. Dust clouds may be explosive under certain conditions.	
Incompatible materials	Acids. Ammonium nitrate. Fluoride. Halogens. Nitrates. Phosphorus. Strong oxidizing agents. Sulfur.	
Hazardous decomposition products	Welding, burning, sawing, brazing, grinding or machining operations may generate dusts and fumes of metal oxides.	

11. Toxicological information

Information on likely routes of exposureInhalationMay cause allergic respiratory reaction. Elevated temperatures or mechanical action may form
dust and fumes which may be irritating to the mucous membranes and respiratory tract. In
sensitized individuals, exposure causes an asthma-like attack, with wheezing, bronchospasm,
and dyspnea.
Heating above the melting point releases metallic oxides which may cause metal fume fever by
inhalation. The symptoms are shivering, fever, malaise and muscular pain.Skin contactMay cause an allergic skin reaction. Hot or molten material may produce thermal burns. Workers
allergic to nickel may develop eczema or rashes. Graphite- Wash affected area with soap and
water before eating or smoking and at the end of the work shift.

Eye contact	Molten material will produce thermal burns. Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye. Acute exposure to cobalt metal, dust, and fume may cause irritation of skin and eyes. Safety glasses with side shields if there is a danger of flying particles.
Ingestion	Not relevant, due to the form of the product. However, ingestion of dusts generated during working operations may cause nausea and vomiting. Ingestion of cobalt may cause nausea, vomiting, diarrhea, and a sensation of hotness.
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. Coughing. Discomfort in the chest. Difficulty in breathing. Shortness of breath. Wheezing. May cause an allergic skin reaction. Dermatitis. Rash. Acute exposure to cobalt metal, dust, and fume may cause irritation of skin and eyes. In sensitized individuals, exposure causes an asthma-like attack, with wheezing, bronchospasm, and dyspnea. Prolonged exposure may cause chronic effects.

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.	
Components	Species	Test Results
Copper (CAS 7440-50-8)		
Acute		
Inhalation		
LC50	Rat	> 2.77 mg/l, 4 hours
Oral		
LD50	Rat	481 mg/kg
ron (CAS 7439-89-6)		
Acute		
Inhalation		
LD50	Rat	> 5 mg/kg
Oral		
LD50	Rat	98.6 g/kg
Manganese (CAS 7439-96-5)		
Acute		
Inhalation		
LC50/LC90	Rat	> 1500 mg/m³, 4 hours
Oral		
LD50	Rat	9000 mg/kg
lickel (CAS 7440-02-0)		
Acute		
Oral		
LD50	Rat	> 9000 mg/kg
Silicon (CAS 7440-21-3)		
Acute		
Oral		
LD50	Rat	3150 mg/kg
Skin corrosion/irritation	May cause irritation through mechanical abrasion.	
Serious eye damage/eye rritation	Dust from machining operation in the eyes will cause irritation.	
Respiratory or skin sensitizatio	n	
Respiratory sensitization	May cause allergy or asthma symptoms or breathi	ng difficulties if inhaled.
Skin sensitization	May cause an allergic skin reaction. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Pre-existing skin conditions including dermatitis might be aggravated by exposure to this product.	
Germ cell mutagenicity	This product is not classified as a mutagen.	
Carcinogenicity	Suspected of causing cancer.	
Aluminum Bronze Alloys with Graphit		SDS

IARC Monographs. Overall E	valuation of Carcinogenicity	
Cobalt (CAS 7440-48-4) 2B Possibly carcinogenic to humans.		
Nickel (CAS 7440-02-0)	2B Possibly carcinogenic to humans.	
NTP Report on Carcinogens		
Nickel (CAS 7440-02-0)	Reasonably Anticipated to be a Human Carcinogen.	
OSHA Specifically Regulated Subs	stances (29 CFR 1910.1001-1050) Not regulated.	
Reproductive toxicity	Not classified. In experimental animal studies, cobalt produces adverse developmental effects at doses that produce maternal toxicity. There are no human data on cobalt exposure during pregnancy. Nickel: Has shown teratogenic effects in laboratory animals.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Causes damage to organs (lungs) through prolonged or repeated exposure by inhalation.	
Aspiration hazard	Due to the physical form of the product it is not an aspiration hazard.	
Chronic effects	Danger of cumulative effects. Chronic inhalation of high concentrations of iron oxide fumes or dust may lead to benign pneumoconiosis (siderosis). Prolonged and repeated overexposure to dust and fumes can lead to benign pneumoconiosis (stannosis). 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. Chronic inhalation of metallic oxide dust/fume may cause metal fume fever.	
Further information	Welding or plasma arc cutting of metal and alloys can generate ozone, nitric oxides and ultraviolet radiation. Ozone overexposure may result in mucous membrane irritation or pulmonary discomfort. UV radiation can cause skin erythema and welders flash.	
12. Ecological information		
Ecotoxicity	Alloys in massive forms present a limited hazard for the environment.	
Persistence and degradability	Not relevant for inorganic substances.	
Bioaccumulative potential	The product contains potentially bioaccumulating substances.	
Mobility in soil	Alloys in massive forms are not mobile in the environment.	

 Mobility in general
 Alloys in massive forms are not mobile in the environment.

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Graphite dust is normally not explosive, but it may weakly contribute if the event is initiated

by another explosive dust or gas. 13. Disposal considerations

Disposal instructions	This material and its container must be disposed of as hazardous waste. Dispose in accordance with all applicable regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	Not regulated.
Waste from residues / unused products	Recover and recycle, if practical. Solid metal and alloys in the form of particles may be reactive. Its hazardous characteristics, including fire and explosion, should be determined prior to disposal.
Contaminated packaging	Not applicable.

14. Transport information

DOT	
	Not regulated as dangerous goods.
	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

Cobalt (CAS 7440-48-4)	LISTED
Copper (CAS 7440-50-8)	LISTED
Manganese (CAS 7439-96-5)	LISTED
Nickel (CAS 7440-02-0)	LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Yes

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
Copper	7440-50-8	71-90	
Aluminum	7429-90-5	7-16	
Manganese	7439-96-5	0-14	
Nickel	7440-02-0	0-6	
Cobalt	7440-48-4	0-3	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Cobalt (CAS 7440-48-4) Manganese (CAS 7439-96-5) Nickel (CAS 7440-02-0)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List

Aluminum (CAS 7429-90-5) Cobalt (CAS 7440-48-4) Copper (CAS 7440-50-8) Manganese (CAS 7439-96-5) Nickel (CAS 7440-02-0) Silicon (CAS 7440-21-3) Tin (CAS 7440-31-5)

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

Aluminum (CAS 7429-90-5) Copper (CAS 7440-50-8) Manganese (CAS 7439-96-5) Nickel (CAS 7440-02-0) Silicon (CAS 7440-21-3) Tin (CAS 7440-31-5)

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

Aluminum (CAS 7429-90-5) Cobalt (CAS 7440-48-4) Copper (CAS 7440-50-8) Manganese (CAS 7439-96-5) Nickel (CAS 7440-02-0) Silicon (CAS 7440-21-3) Tin (CAS 7440-31-5)

US. Rhode Island RTK

Aluminum (CAS 7429-90-5) Cobalt (CAS 7440-48-4) Copper (CAS 7440-50-8) Manganese (CAS 7439-96-5) Nickel (CAS 7440-02-0)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Cobalt (CAS 7440-48-4) Nickel (CAS 7440-02-0)

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

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	9/14/21
Version #	01
NFPA ratings	2 0
References	HSDB® - Hazardous Substances Data Bank IARC Monographs. Overall Evaluation of Carcinogenicity National Toxicology Program (NTP) Report on Carcinogens ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices
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