



Fluid, Fyrite, O2, 21% and 60%; Fluid, Fyrite, O2, 7%

This document replaces SDS 0099-0004 and 0099-0005 for Mexico
Safety Data Sheet

According to Mexico NOM-018-STPS-2015, Harmonized System for the Identification and Communication of Hazards and Risks from Hazardous Chemical Substances in the Workplace.

Date of Issue: 11/12/2020

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Fluid, Fyrite, O2, 21% and 60%; Fluid, Fyrite, O2, 7%

1.2. Intended Use of the Product

Use of the Substance/Mixture: Industrial use. For professional use only.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Bacharach, Inc.
621 Hunt Valley Circle
New Kensington, PA 15068
724-334-5760

<http://www.mybacharach.com>

msdsr@mybacharach.com

Canada:

Bacharach of Canada Inc.
10 West Pearce Street, Unit 4
Richmond Hill, Ontario LB4 1B6
(800)- 328-5217

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-MX Classification

Met. Corr. 1	H290
Acute Tox. 3 (Oral)	H301
Acute Tox. 5 (Dermal)	H313
Skin Corr. 1B	H314
Eye Dam. 1	H318
Resp. Sens. 1	H334
Skin Sens. 1	H317
Muta. 2	H341
Repr. 2	H361
STOT SE 2	H371
STOT RE 1	H372
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Full text of hazard classes and H-statements : see section 16

2.2. Label Elements

GHS-MX Labeling

Hazard Pictograms (GHS-MX)



Hazardous Ingredients (GHS-MX)

: Chromium(III) chloride hexahydrate; Hydrochloric acid; Mercury chloride (HgCl₂)

Signal Word (GHS-MX)

: Danger

Hazard Statements (GHS-MX)

: H290 - May be corrosive to metals.
H301 - Toxic if swallowed.
H313 - May be harmful in contact with skin.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H334 - May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
H341 - Suspected of causing genetic defects.
H361 - Suspected of damaging fertility or the unborn child.
H371 - May cause damage to organs.

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Precautionary Statements (GHS-MX)

H372 - Causes damage to organs through prolonged or repeated exposure.
H410 - Very toxic to aquatic life with long lasting effects.

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P234 - Keep only in original container.
P260 - Do not breathe vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P284 - [In case of inadequate ventilation] wear respiratory protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P310 - Immediately call a POISON CENTER or doctor.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see section 4 on this SDS).
P330 - Rinse mouth.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
P363 - Wash contaminated clothing before reuse.
P390 - Absorb spillage to prevent material-damage.
P391 - Collect spillage.
P405 - Store locked up.
P406 - Store in corrosive resistant container with a resistant inner liner.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. May be corrosive to respiratory tract.

2.4. Unknown Acute Toxicity (GHS-MX)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	%*	GHS-MX classification
Water	AQUA / water	(CAS-No.) 7732-18-5	41.3 – 72.6	Not classified
Chromium(III) chloride hexahydrate	Chromic chloride hexahydrate / Chromium chloride, hexahydrate / Chromium trichloride hexahydrate / Chromium(III) chloride, hexahydrate (1:3:6) / Chromium chloride (CrCl ₃), hexahydrate / Chromium(III) chloride, hexahydrate / Chromic chloride	(CAS-No.) 10060-12-5	13.4 – 28.9	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 Repr. 2, H361 STOT SE 2, H371 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Zinc	C.I. Pigment Black 16 / C.I. Pigment Metal 6 / Zinc (metallic) / Pigment Black 16 / Zinc powder - zinc dust (stabilised) / Zinc powder - zinc dust (pyrophoric) / ZINC / zinc	(CAS-No.) 7440-66-6	7.6 – 16.4	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hydrochloric acid	Hydrogen chloride / Muriatic acid / HYDROCHLORIC ACID / Hydrochloric acid, anhydrous / hydrochloric acid	(CAS-No.) 7647-01-0	5.2 – 11.1	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 2, H401
Mercury chloride (HgCl ₂)	Mercuric chloride / Mercuric bichloride / Mercury bichloride / Mercury dichloride / Mercury(2+) chloride / Mercury(II) chloride / Corrosive sublimate / Sulema / Mercuric chloride (HgCl ₂) / mercuric chloride	(CAS-No.) 7487-94-7	0.8 – 1.7	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Skin Corr. 1B, H314 Eye Dam. 1, H318 Muta. 2, H341 Repr. 2, H361 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alcohols, C7-9-iso-, C8-rich	Alcohols, C7-9-iso-, C8 rich / Exxal 8	(CAS-No.) 68526-83-0	0.5 – 0.6	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Aquatic Acute 3, H402

Full text of H-phrases: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Immediately flush skin with plenty of water for at least 60 minutes. Get immediate medical advice/attention. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

First-aid Measures After Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor.

Personal Protection in First Aid: Use appropriate personal protective equipment (PPE).

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: Toxic if swallowed. Causes severe skin burns and eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin sensitization. Suspected of causing genetic defects. Suspected of damaging fertility or the unborn child. May cause damage to organs. Causes damage to organs through prolonged or repeated exposure. May be harmful in contact with skin.

Symptoms/Injuries After Inhalation: May be corrosive to the respiratory tract. Exposure may produce cough, mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction.

Symptoms/Injuries After Skin Contact: Causes severe irritation which will progress to chemical burns. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: This material is toxic in small amounts orally, and can cause adverse health effects or death. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: Suspected of causing genetic defects. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

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4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Contact with metallic substances may release flammable hydrogen gas.

Reactivity: May be corrosive to metals. Contact with metals may evolve flammable hydrogen gas. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Oxides of zinc. Hydrogen chloride. mercury oxides. Chromium oxides. Corrosive vapors. Toxic fumes are released. Carbon oxides (CO, CO₂).

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Cautiously neutralize spilled liquid. Absorb spillage to prevent material damage. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: May release corrosive vapors. May be corrosive to metals.

Precautions for Safe Handling: Do not get in eyes, on skin, or on clothing. Do not breathe vapors, mist, spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Handle empty containers with care because they may still present a hazard.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Store locked up. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container. Storage areas should be periodically checked for corrosion and integrity.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Metals. Halogenated compounds. Ammonia. Nitrogen containing compounds, ammonium compounds.

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Packaging materials: Store in corrosive resistant container with a resistant inner liner.

7.3. Specific End Use(s)

Industrial use. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including ACGIH (TLVs), AIHA (WEELs) and Mexico: OEL TWAs (LMPE-PPTs), STELs (LMPE-CTs), Ceilings (LMPE-Pico), and BEIs (IBE).

Hydrochloric acid (7647-01-0)		
Mexico	OEL Ceiling (ppm)	2 ppm
USA ACGIH	ACGIH Ceiling (ppm)	2 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen

8.2. Exposure Controls

Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles. Face shield. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing

: Chemically resistant materials and fabrics. Corrosion-proof clothing.

Hand Protection

: Wear protective gloves.

Eye and Face Protection

: Chemical safety goggles and face shield.

Skin and Body Protection

: Wear suitable protective clothing.

Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information

: Do not eat, drink or smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Blue
Molecular Weight	: No data available
Odor	: No data available
Odor Threshold	: No data available
pH	: < 1
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

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9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** May be corrosive to metals. Contact with metals may evolve flammable hydrogen gas. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Metals. Halogenated compounds. Ammonia. Nitrogen containing compounds, ammonium compounds.
- 10.6. Hazardous Decomposition Products:** Carbon oxides (CO, CO₂). May release flammable gases. Oxides of zinc. Hydrogen chloride. Chlorine. Chromium oxides. mercury oxides. Corrosive vapors. Toxic vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity (Oral): Toxic if swallowed.

Acute Toxicity (Dermal): May be harmful in contact with skin.

Acute Toxicity (Inhalation): Not classified

Fluid, Fyrite, O2, 21% and 60%; Fluid, Fyrite, O2, 7%	
ATE (Oral)	58.29 mg/kg body weight
ATE (Dermal)	2,411.76 mg/kg body weight
Chromium(III) chloride hexahydrate (10060-12-5)	
LD50 Oral Rat	1870 mg/kg
Hydrochloric acid (7647-01-0)	
LD50 Dermal Rabbit	> 5010 mg/kg
Mercury chloride (HgCl ₂) (7487-94-7)	
LD50 Oral Rat	1 mg/kg
LD50 Dermal Rabbit	41 mg/kg
Alcohols, C7-9-iso-, C8-rich (68526-83-0)	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 2623 mg/kg
ATE (Oral)	2,500.00 mg/kg body weight
ATE (Dermal)	2,500.00 mg/kg body weight

Skin Corrosion/Irritation: Causes severe skin burns.

pH: < 1

Serious Eye Damage/Irritation: Causes serious eye damage.

pH: < 1

Respiratory or Skin Sensitization: May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ Cell Mutagenicity: Suspected of causing genetic defects.

Carcinogenicity: Not classified

Hydrochloric acid (7647-01-0)	
IARC group	3
Mercury chloride (HgCl ₂) (7487-94-7)	
IARC group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): May cause damage to organs.

Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May be corrosive to the respiratory tract. Exposure may produce cough, mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction.

Symptoms/Injuries After Skin Contact: Causes severe irritation which will progress to chemical burns. May cause an allergic skin reaction.

Fluid, Fyrite, O2, 21% and 60%; Fluid, Fyrite, O2, 7%

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Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: This material is toxic in small amounts orally, and can cause adverse health effects or death. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: Suspected of causing genetic defects. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Very toxic to aquatic life with long lasting effects.

Chromium(III) chloride hexahydrate (10060-12-5)	
ErC50 (Algae)	0.4 mg/l
NOEC Chronic Crustacea	0.7 mg/l
Zinc (7440-66-6)	
LC50 Fish 1	2.16 – 3.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	0.139 – 0.908 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	0.211 – 0.269 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])
ErC50 (Algae)	0.15 mg/l
Hydrochloric acid (7647-01-0)	
LC50 Fish 1	7.45 mg/l (Species: Oncorhynchus mykiss - Exposure time: 96h)
Mercury chloride (HgCl2) (7487-94-7)	
LC50 Fish 1	0.096 – 0.133 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	> 0.012 mg/l (Exposure time: 48 h - Species: Daphnia magna [semi-static])
LC50 Fish 2	0.4 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [semi-static])
EC50 Daphnia 2	0.0015 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
NOEC Chronic Crustacea	0.003 mg/l
Alcohols, C7-9-iso-, C8-rich (68526-83-0)	
LC50 Fish 1	14 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

12.2. Persistence and Degradability

Fluid, Fyrite, O2, 21% and 60%; Fluid, Fyrite, O2, 7%

Persistence and Degradability : May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

Fluid, Fyrite, O2, 21% and 60%; Fluid, Fyrite, O2, 7%

Bioaccumulative Potential : Not established.

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In accordance with NOM/SCT

Proper Shipping Name : LIQUIDO CORROSIVO, TOXICO, N.E.P. (Chromium Chloride, Mercuric Chloride, and Hydrochloric acid)

Hazard Class : 8 (6.1)

Identification Number : 2922



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Label Codes : 8, 6.1
Packing Group : II
Marine pollutant : Marine pollutant


14.2. In Accordance with IMDG

Proper Shipping Name : CORROSIVE LIQUID, TOXIC, N.O.S. (Chromium Chloride, Mercuric Chloride, and Hydrochloric acid)
Hazard Class : 8 (6.1)
Identification Number : UN2922
Label Codes : 8, 6.1
Packing Group : II
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B
Marine pollutant : Marine pollutant



14.3. In Accordance with IATA

Proper Shipping Name : CORROSIVE LIQUID, TOXIC, N.O.S. (Chromium Chloride, Mercuric Chloride, and Hydrochloric acid)
Hazard Class : 8 (6.1)
Identification Number : UN2922
Label Codes : 8, 6.1
Packing Group : II
ERG Code (IATA) : 8P



14.4 Transport in Bulk According to Annex II of MARPOL and The IBC Code Not determined

SECTION 15: REGULATORY INFORMATION

15.1. International Regulatory Lists

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the Canadian DSL (Domestic Substances List)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Chromium(III) chloride hexahydrate (10060-12-5)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Zinc (7440-66-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the Canadian DSL (Domestic Substances List)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Subject to reporting requirements of United States SARA Section 313
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)

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Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Hydrochloric acid (7647-01-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the Canadian DSL (Domestic Substances List)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Canadian IDL (Ingredient Disclosure List)

Listed on the United States SARA Section 302

Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Japanese Poisonous and Deleterious Substances Control Law

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Mercury chloride (HgCl₂) (7487-94-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the Canadian DSL (Domestic Substances List)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Canadian IDL (Ingredient Disclosure List)

Listed on the United States SARA Section 302

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Japanese Poisonous and Deleterious Substances Control Law

Japanese Pollutant Release and Transfer Register Law (PRTR Law)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Alcohols, C7-9-iso-, C8-rich (68526-83-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the Canadian DSL (Domestic Substances List)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.2. International Agreements

Mercury chloride (HgCl₂) (7487-94-7)

Listed on EU - Export and Import Restrictions (689/2008) - Chemicals Subject to the PIC Procedure under the Rotterdam Convention

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 11/12/2020

Fluid, Fyrite, O2, 21% and 60%; Fluid, Fyrite, O2, 7%

This document replaces Bacharach MSDS reference 0099-0006 and 0099-0007

Safety Data Sheet

According to Mexico NOM-018-STPS-2015, Harmonized System for the Identification and Communication of Hazards and Risks from Hazardous Chemical Substances in the Workplace.

Data Sources

: Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.

Other Information

: This document has been prepared in accordance with the SDS requirements of Mexico NOM-018-STPS-2015, Harmonized System for the Identification and Communication of Hazards and Risks from Hazardous Chemical Substances in the Workplace. The information is considered correct but is not exhaustive and will be used only as a guide, which is based on current knowledge of the chemical substance or mixture and is applicable to the appropriate safety precautions for the product.

GHS Full Text Phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Acute Tox. 5 (Dermal)	Acute toxicity (dermal) Category 5
Acute Tox. 5 (Oral)	Acute toxicity (oral) Category 5
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Met. Corr. 1	Corrosive to metals Category 1
Muta. 2	Germ cell mutagenicity Category 2
Repr. 2	Reproductive toxicity Category 2
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Corr. 1C	Skin corrosion/irritation Category 1C
Skin Sens. 1	Skin sensitization, Category 1
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 2	Specific target organ toxicity (single exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H290	May be corrosive to metals
H300	Fatal if swallowed
H301	Toxic if swallowed
H302	Harmful if swallowed
H303	May be harmful if swallowed
H310	Fatal in contact with skin
H313	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects

Fluid, Fyrite, O2, 21% and 60%; Fluid, Fyrite, O2, 7%

This document replaces Bacharach MSDS reference 0099-0006 and 0099-0007

Safety Data Sheet

According to Mexico NOM-018-STPS-2015, Harmonized System for the Identification and Communication of Hazards and Risks from Hazardous Chemical Substances in the Workplace.

H361	Suspected of damaging fertility or the unborn child
H371	May cause damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Indication of Changes: No additional information available

Abbreviations and Acronyms:

ACGIH – American Conference of Governmental Industrial Hygienists	Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water
AIHA – American Industrial Hygiene Association	MARPOL – International Convention for the Prevention of Pollution from Ships
ATE - Acute Toxicity Estimate	MFAG-No - Medical First Aid Guide for Use in Accidents Involving Dangerous Goods
BCF - Bioconcentration Factor	MX - Mexico
BEI - Biological Exposure Indices (BEI)	NOAEL - No-Observed Adverse Effect Level
BOD – Biochemical Oxygen Demand	NOEC - No-Observed Effect Concentration
CAS No. - Chemical Abstracts Service Number	NOM/SCT – Secretaria de Comunicaciones y Transportes
COD – Chemical Oxygen Demand	NTP – National Toxicology Program
EC50 - Median Effective Concentration	OEL - Occupational Exposure Limits
EmS-No. (Fire) - IMDG Emergency Schedule Fire	pH – Potential Hydrogen
EmS-No. (Spillage) - IMDG Emergency Schedule Spillage	SADT - Self Accelerating Decomposition Temperature
ErC50 - EC50 in Terms of Reduction Growth Rate	SARA - Superfund Amendments and Reauthorization Act
ERG code (IATA) - Emergency Response Drill Code as found in the International Civil Aviation Organization (ICAO)	SARA 302 - Section 302, 40 CFR Part 355
GHS – Globally Harmonized System of Classification and Labeling of Chemicals	SARA 313 - Section 313, 40 CFR Part 372
GWP – Global Warming Potential	SDS - Safety Data Sheet
IARC - International Agency for Research on Cancer	STEL - Short Term Exposure Limit
IATA - International Air Transport Association	ThOD – Theoretical Oxygen Demand
IBC – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk	TLM - Median Tolerance Limit
IMDG - International Maritime Dangerous Goods	TLV - Threshold Limit Value
LC50 - Median Lethal Concentration	TPQ - Threshold Planning Quantity
LD50 - Median Lethal Dose	TWA - Time Weighted Average
LOAEL - Lowest Observed Adverse Effect Level	UN – United Nations
LOEC - Lowest-Observed-Effect Concentration	VOC – Volatile Organic Compounds
Log Koc - Soil Organic Carbon-water Partitioning Coefficient	WEEL - Workplace Environmental Exposure Levels
Log Kow - Octanol/water Partition Coefficient	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

MX GHS SDS 0099-1014 AND 0099-1015