CarestreamNDT

5159082_INDUSTREX LO Fixer and Replenisher (INDUSTREX LO Fixer and Replenisher) CANADA NDT_Carestream Health Canada Company Chemwatch Hazard Alert Code: 3

Version No: 2.4

Safety Data Sheet according to WHMIS 2015 requirements

Issue Date: 05/19/2023 Print Date: 06/26/2023

L.GHS.CAN.EN

SECTION 1 Identification

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Product Identifier	
5159082_INDUSTREX LO Fixer and Replenisher (INDUSTREX LO Fixer and Replenisher)	
Not Applicable	
Not Available	
Not Applicable	
5159082	

Recommended use of the chemical and restrictions on use

Relevant identified uses Photographic chemical. Restricted to professional users. Use according to manufacturer's directions.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	CANADA NDT_Carestream Health Canada Company
Address	290 Caldari Road, M1-20 Vaughan, Ontario, L4K 4J4 Canada
Telephone	1-800-328-2910
Fax	Not Available
Website	http://www.carestream.com
Email	WW-EHS@carestreamhealth.com

Emergency phone number

Association / Organisation	CHEMTREC	
Emergency telephone numbers	(North America): +1 703-741-5970	
Other emergency telephone numbers	(International): +1-703-527-3887	

SECTION 2 Hazard(s) identification

Classification of the substance or mixture NFPA 704 diamond



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Canadian WHMIS Symbols

(Ţ)

Classification Serious Eye Damage/Eye Irritation Category 2A, Reproductive Toxicity Category 1B

Hazard pictogram(s)	
Signal word	Danger
Hazard statement(s)	

Physical and Health hazard(s) not otherwise classified

H319

H360

Causes serious eye irritation.

May damage fertility or the unborn child.

Not Applicable

Precautionary statement(s) Prevention

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P264	Wash all exposed external body areas thoroughly after handling.

Precautionary statement(s) Response

P308+P313	IF exposed or concerned: Get medical advice/ attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

Precautionary statement(s) Storage

Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
7732-18-5*	45-55	Water
7783-18-8*	30-40	Ammonium thiosulfate
10043-01-3*	1-3	Aluminum sulfate
1330-43-4*	0.1-0.3	Sodium borate

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 First-aid measures

Description of first aid measures

Eye Contact	 If this product comes in contact with eyes: Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin or hair contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	 If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	 Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Fire-fighting measures

Extinguishing media

- Water spray or fog.
- Foam.
- Dry chemical powder.BCF (where regulations permit).

Carbon dioxide.

Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

Special protective equipment and precautions for fire-fighters

Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.
Fire/Explosion Hazard	 Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit irritating/ toxic fumes. May emit acrid smoke. Mists containing combustible materials may be explosive. May emit poisonous fumes.

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	 Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal.
Major Spills	 Moderate hazard. Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Absorb remaining product with sand, earth or vermiculite. Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains. If contamination of drains or waterways occurs, advise emergency services.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Precautions for safe handling	
Safe handling	 Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. DO NOT allow material to contact humans, exposed food or food utensils. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
Other information	 Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities	
Suitable container	 Metal can or drum Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	None known

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Canada - Saskatchewan Occupational Health and Safety Regulations - Contamination Limits	Aluminum sulfate	Aluminum and compounds (as Al): Metal dust	10 mg/m3	20 mg/m3	Not Available	Not Available
Canada - Saskatchewan Occupational Health and Safety Regulations - Contamination Limits	Aluminum sulfate	Aluminum and compounds (as Al): Soluble salts	2 mg/m3	4 mg/m3	Not Available	Not Available
Canada - Northwest Territories Occupational Exposure Limits	Aluminum sulfate	Aluminum and compounds (as Al): Soluble salts	2 mg/m3	4 mg/m3	Not Available	Not Available
Canada - Northwest Territories Occupational Exposure Limits	Aluminum sulfate	Aluminum and compounds (as Al): Metal dust	10 mg/m3	20 mg/m3	Not Available	Not Available
Canada - Quebec Permissible Exposure Values for Airborne Contaminants	Aluminum sulfate	Aluminum and its compounds - Respirable dust	5 mg/m3	Not Available	Not Available	Not Available
Canada - Saskatchewan Occupational Health and Safety Regulations - Contamination Limits	Sodium borate	Borate compounds, inorganic (inhalable fraction++)	2 mg/m3	6 mg/m3	Not Available	Not Available
Canada - Manitoba Occupational Exposure Limits	Sodium borate	Not Available	2 mg/m3	6 mg/m3	Not Available	TLV® Basis: URT irr
Canada - Prince Edward Island Occupational Exposure Limits	Sodium borate	Borate compounds, inorganic	2 mg/m3	6 mg/m3	Not Available	TLV® Basis: URT irr
Canada - British Columbia Occupational Exposure Limits	Sodium borate	Borate compounds, Inorganic, Inhalable	2 mg/m3	6 mg/m3	Not Available	Not Available
Canada - Nova Scotia Occupational Exposure Limits	Sodium borate	Sodium tetraborate - Anhydrous	2 mg/m3	6 mg/m3	Not Available	TLV Basis: upper respiratory tract irritation
Canada - Northwest Territories Occupational Exposure Limits	Sodium borate	Borate compounds, inorganic (inhalable fraction)	2 mg/m3	6 mg/m3	Not Available	Not Available
Canada - Quebec Permissible Exposure Values for Airborne Contaminants	Sodium borate	Borate, inorganic compounds, (including boric acid) - inhalable dust	2 mg/m3	6 mg/m3	Not Available	Not Available

Emergency Limits

Ingredient	TEEL-1	TEEL-2		TEEL-3
Ammonium thiosulfate	12 mg/m3	130 mg/m3		790 mg/m3
Aluminum sulfate	38 mg/m3	64 mg/m3		380 mg/m3
Sodium borate	6 mg/m3	88 mg/m3		530 mg/m3
Ingredient	Original IDLH		Revised IDLH	
Water	Not Available		Not Available	
Ammonium thiosulfate	Not Available		Not Available	
Aluminum sulfate	Not Available		Not Available	
Sodium borate	Not Available		Not Available	

MATERIAL DATA

Exposure controls

be highly effective The basic types of Process controls Enclosure and/or "adds" and "remo ventilation system Employers may n General exhaust essential to obtain	ols are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can e in protecting workers and will typically be independent of worker interactions to provide this high level of protection. f engineering controls are: which involve changing the way a job activity or process is done to reduce the risk. isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically ves" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a must match the particular process and chemical or contaminant in use. eed to use multiple types of controls to prevent employee overexposure. s adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is n adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the s varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively minant.

	Type of Contaminant:		Air Speed:
	solvent, vapours, degreasing etc., evaporating from tank (in still air)		0.25-0.5 m/s (50-100 f/min)
	aerosols, fumes from pouring operations, intermittent conta drift, plating acid fumes, pickling (released at low velocity ir		0.5-1 m/s (100-200 f/min.)
	direct spray, spray painting in shallow booths, drum filling, generation into zone of rapid air motion)	conveyer loading, crusher dusts, gas discharge (active	1-2.5 m/s (200-500 f/min)
	grinding, abrasive blasting, tumbling, high speed wheel ger very high rapid air motion).	nerated dusts (released at high initial velocity into zone of	2.5-10 m/s (500-2000 f/min.)
	Within each range the appropriate value depends on:		
	Lower end of the range	Upper end of the range	
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents	
	2: Contaminants of low toxicity or of nuisance value only	2: Contaminants of high toxicity	
	3: Intermittent, low production.	3: High production, heavy use	
	4: Large hood or large air mass in motion	4: Small hood - local control only	
	Simple theory shows that air velocity falls rapidly with distance with the square of distance from the extraction point (in simpl accordingly, after reference to distance from the contaminatin 1-2 m/s (200-400 f/min.) for extraction of solvents generated considerations, producing performance deficits within the ext factors of 10 or more when extraction systems are installed or	e cases). Therefore the air speed at the extraction point sho ng source. The air velocity at the extraction fan, for example in a tank 2 meters distant from the extraction point. Other m raction apparatus, make it essential that theoretical air veloc	ould be adjusted, , should be a minimum of echanical
Individual protection measures, such as personal protective equipment			
Eye and face protection	the wearing of lenses or restrictions on use, should be cr and adsorption for the class of chemicals in use and an their removal and suitable equipment should be readily a remove contact lens as soon as practicable. Lens should	equivalent] enses may absorb and concentrate irritants. A written policy eated for each workplace or task. This should include a revi account of injury experience. Medical and first-aid personnel vailable. In the event of chemical exposure, begin eye irriga I be removed at the first signs of eye redness or irritation - le nds thoroughly. [CDC NIOSH Current Intelligence Bulletin 55	ew of lens absorption should be trained in tion immediately and ens should be removed in
Skin protection	See Hand protection below		
Hands/feet protection	The selection of suitable gloves does not only depend on the manufacturer. Where the chemical is a preparation of several and has therefore to be checked prior to the application. The exact break through time for substances has to be obtain making a final choice. Personal hygiene is a key element of effective hand care. Glk washed and dried thoroughly. Application of a non-perfumed Suitability and durability of glove type is dependent on usage . frequency and duration of contact, . chemical resistance of glove material, . glove thickness and . dexterity Select gloves tested to a relevant standard (e.g. Europe EN 3 . When prolonged or frequently repeated contact may occur, minutes according to EN 374, AS/NZS 2161.10.1 or national . When only brief contact is expected, a glove with a protection 374, AS/NZS 2161.10.1 or national equivalent) is recomment . Some glove polymer types are less affected by movement a . Contaminated gloves should be replaced. As defined in ASTM F-739-96 in any application, gloves are re . Excellent when breakthrough time > 480 min . Good when breakthrough time > 20 min . Fair when breakthrough time < 20 min . Poor when glove material degrades For general applications, gloves with a thickness typically gre It should be emphasised that glove thickness is not necessar efficiency of the glove will be dependent on the exact comport consideration of the task requirements and knowledge of bre Glove thickness may also vary depending on the glove manu data should always be taken into account to ensure selection Note: Depending on the activity being conducted, gloves of y	I substances, the resistance of the glove material can not be ned from the manufacturer of the protective gloves and has poves must only be worn on clean hands. After using gloves, moisturiser is recommended. Important factors in the selection of gloves include: 374, US F739, AS/NZS 2161.1 or national equivalent). a glove with a protection class of 5 or higher (breakthrough equivalent) is recommended. on class of 3 or higher (breakthrough time greater than 60 m ded. and this should be taken into account when considering glov rated as: atter than 0.35 mm, are recommended. If a good predictor of glove resistance to a specific chemic; sition of the glove material. Therefore, glove selection shoul akthrough times. facturer, the glove type and the glove model. Therefore, the of the most appropriate glove for the task.	e calculated in advance to be observed when hands should be time greater than 240 ninutes according to EN res for long-term use. al, as the permeation d also be based on manufacturers technical

Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential

Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.

Wear chemical protective gloves, e.g. PVC.

Wear safety footwear or safety gumboots, e.g. Rubber

Body protection See Other protection below

Other protection	 Overalls. P.V.C apron. Barrier cream. Skin cleansing cream. Eye wash unit.
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SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Colorless to Light Yellow		
Physical state	Liquid	Relative density (Water = 1)	1.29
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	4.9	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	> 100	Molecular weight (g/mol)	Not Available
Flash point (°C)	> 94	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	2.40	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	0.6	VOC g/L	Not Available

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	 Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation o models). Nevertheless, good hygiene practice requires that exposure be k occupational setting.	
Ingestion	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. The material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.	
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.	
Eye	Although the liquid is not thought to be an irritant (as classified by EC Direc characterised by tearing or conjunctival redness (as with windburn).	ectives), direct contact with the eye may produce transient discomfort
Chronic	There is sufficient evidence to provide a strong presumption that human ex clear evidence in animal studies of impaired fertility in the absence of toxic dose levels as other toxic effects but which is not a secondary non-specific	c effects, or evidence of impaired fertility occurring at around the same
5159082_INDUSTREX LO Fixer and Replenisher (INDUSTREX	ΤΟΧΙΟΙΤΥ	IRRITATION
LO Fixer and Replenisher)		

	Not Available	Not Available
	ΤΟΧΙΟΙΤΥ	IRRITATION
Water	Oral (Rat) LD50: >90000 mg/kg ^[2]	Not Available
	ΤΟΧΙΟΙΤΥ	IRRITATION
	Dermal (rabbit) LD50: >2000 mg/kg ^[1]	Not Available
Ammonium thiosulfate	Inhalation(Rat) LC50: >2.6 mg/l4h ^[1]	
	Oral (Guinea) LD50; 1098 mg/kg ^[2]	
	ΤΟΧΙΟΙΤΥ	IRRITATION
	Dermal (rabbit) LD50: >1167.5 mg/kg ^[1]	Not Available
Aluminum sulfate	Inhalation(Rat) LC50: >5 mg/l4h ^[1]	
	Oral (Rat) LD50: >2000 mg/kg ^[1]	
	ΤΟΧΙCΙΤΥ	IRRITATION
Sodium borate	Dermal (rabbit) LD50: >2000 mg/kg ^[2]	Eye: adverse effect observed (irritating) ^[1]
	Oral (Rat) LD50: 2403-4207 mg/kg ^[2]	Skin: no adverse effect observed (not irritating) ^[1]
Legend:	1. Value obtained from Europe ECHA Registered Substar	nces - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise

Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	×	Reproductivity	×
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×
Respiratory or Skin sensitisation	×	STOT - Repeated Exposure	×
Mutagenicity	×	Aspiration Hazard	×
			not available or does not fill the criteria for classification

Data available to make classification

SECTION 12 Ecological information

Toxicity

159082_INDUSTREX LO Fixer	Endpoint	Test Duration (hr)	Species	Value	Source
and Replenisher (INDUSTREX LO Fixer and Replenisher)	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
Water	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
A	NOEC(ECx)	504h	Crustacea	>10mg/l	2
Ammonium thiosulfate	EC50	72h	Algae or other aquatic plants	Algae or other aquatic plants >100mg/l	
	EC50	48h	Crustacea	230mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Source
	LC50	96h	Fish	>0.42mg/l	2
A luminum autors	EC50	72h	Algae or other aquatic plants	0.0169mg/l	2
Aluminum sulfate	EC50	48h	Crustacea	0.33mg/l	2
	EC10(ECx)	72h	Algae or other aquatic plants	0.000203mg/l	2
	EC50	96h	Algae or other aquatic plants	0.0054mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Source
	LC50	96h	Fish	1900mg/l	4
Sodium borate	EC50(ECx)	96h	Algae or other aquatic plants	2.6-21.8mg/l	4
	EC50	96h	Algae or other aquatic plants	2.6-21.8mg/l	4

Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

DO NOT discharge into sewer or waterways.

Persistence and degradability

Water LOW	LOW
Aluminum sulfate HIGH	HIGH

Bioaccumulative potential

Aluminum sulfate

P		
Ingredient	Bioaccumulation	
Aluminum sulfate	LOW (LogKOW = -2.2002)	
Mobility in soil		
Ingredient	Mobility	

SECTION 13 Disposal considerations

LOW (KOC = 6.124)

	Recover silver before disposal. European Waste Catalogue EWC: 09 01 99 Wastes not otherwise specified.		
	Dispose of in accordance with local regulations		
	Containers may still present a chemical hazard/ danger when empty.		
	Return to supplier for reuse/ recycling if possible.		
	Otherwise:		
	If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.		
	 Where possible retain label warnings and SDS and observe all notices pertaining to the product. 		
	Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in the		
	area. In some areas, certain wastes must be tracked.		
	A Hierarchy of Controls seems to be common - the user should investigate:		
	► Reduction		
	▶ Reuse		
Product / Packaging disposal	▶ Recycling		
	Disposal (if all else fails)		
	This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been		
	contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be		
	applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate.		
	DO NOT allow wash water from cleaning or process equipment to enter drains.		
	It may be necessary to collect all wash water for treatment before disposal.		
	In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.		
	Where in doubt contact the responsible authority.		
	Recycle wherever possible or consult manufacturer for recycling options.		
	Consult State Land Waste Management Authority for disposal.		
	Bury residue in an authorised landfill.		
	Recycle containers if possible, or dispose of in an authorised landfill.		

SECTION 14 Transport information

The dangerous goods information given below is based solely on the product formulation, and does not consider the product packaging configuration.

Depending on inner packaging quantities and packaging instructions, this product may meet specific regulatory exemptions or exclusions for the various modes of transport.

Please consult the product packaging for further details or go to the "Dangerous Goods Worksheets for Chemical Products" folder, located at: ship.carestream.com.

Labels Required

Marine Pollutant	NO
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Land transport (TDG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
Water	Not Available
Ammonium thiosulfate	Not Available
Aluminum sulfate	Not Available
Sodium borate	Not Available

Transport in bulk in accordance with the IGC Code

Product name	Ship Type	
Water	Not Available	
Ammonium thiosulfate	Not Available	
Aluminum sulfate	Not Available	
Sodium borate	Not Available	
afety, health and environ	mental regulations / legislation specific for th	he substance or mixture
This product has been classif Products Regulations.	ied in accordance with the hazard criteria of the Hazar	he substance or mixture rdous Products Regulations and the SDS contains all the information required by the Hazardous
This product has been classif Products Regulations. Water is found on the follow	ied in accordance with the hazard criteria of the Hazar	
This product has been classif Products Regulations. Water is found on the follow Canada Categorization decisi	ied in accordance with the hazard criteria of the Hazar ving regulatory lists ons for all DSL substances	rdous Products Regulations and the SDS contains all the information required by the Hazardous
This product has been classif Products Regulations. Water is found on the follow Canada Categorization decisi Canada Domestic Substance	ied in accordance with the hazard criteria of the Hazar ving regulatory lists ons for all DSL substances	rdous Products Regulations and the SDS contains all the information required by the Hazardous Canada Toxicological Index Service - Workplace Hazardous Materials Information
This product has been classif Products Regulations. Water is found on the follow Canada Categorization decisi Canada Domestic Substance Ammonium thiosulfate is fo	ied in accordance with the hazard criteria of the Hazar ving regulatory lists ons for all DSL substances s List (DSL) vund on the following regulatory lists	rdous Products Regulations and the SDS contains all the information required by the Hazardous Canada Toxicological Index Service - Workplace Hazardous Materials Information
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System - WHMIS GHS

Canada Toxicological Index Service - Workplace Hazardous Materials Information

Chemical Footprint Project - Chemicals of High Concern List

National Inventory Status

Canada Domestic Substances List (DSL)

Canada Categorization decisions for all DSL substances

National Inventory	Status	
Australia - AIIC / Australia Non-Industrial Use	Yes	
Canada - DSL	Yes	
Canada - NDSL	No (Water; Ammonium thiosulfate; Aluminum sulfate; Sodium borate)	
China - IECSC	Yes	
Europe - EINEC / ELINCS / NLP	Yes	
Japan - ENCS	Yes	
Korea - KECI	Yes	
New Zealand - NZIoC	Yes	
Philippines - PICCS	Yes	
USA - TSCA	Yes	
Taiwan - TCSI	Yes	
Mexico - INSQ	Yes	
Vietnam - NCI	Yes	
Russia - FBEPH	Yes	
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.	

SECTION 16 Other information

Revision Date	05/19/2023
Initial Date	03/28/2022

SDS Version Summary

Version	Date of Update	Sections Updated
1.4	05/18/2023	Composition / information on ingredients - Ingredients

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC - TWA: Permissible Concentration-Time Weighted Average

PC - STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit TEEL: Temporary Emergency Exposure Limit. IDLH: Immediately Dangerous to Life or Health Concentrations ES: Exposure Standard OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value BCF: BioConcentration Factors BEI: Biological Exposure Index AIIC: Australian Inventory of Industrial Chemicals DSL: Domestic Substances List NDSL: Non-Domestic Substances List IECSC: Inventory of Existing Chemical Substance in China EINECS: European INventory of Existing Commercial chemical Substances ELINCS: European List of Notified Chemical Substances NLP: No-Longer Polymers ENCS: Existing and New Chemical Substances Inventory KECI: Korea Existing Chemicals Inventory NZIoC: New Zealand Inventory of Chemicals PICCS: Philippine Inventory of Chemicals and Chemical Substances TSCA: Toxic Substances Control Act TCSI: Taiwan Chemical Substance Inventory INSQ: Inventario Nacional de Sustancias Químicas NCI: National Chemical Inventory FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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