

IC-1 Solution A

High-Purity Standards

Chemwatch Hazard Alert Code: 0

Catalogue number: IC-1 Solution A Version No: 3.3

Issue Date: **08/31/2016**Print Date: **08/31/2016**S GHS USA FN

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

SECTION 1 IDENTIFICATION

Product Identifier

Product name	IC-1 Solution A
Synonyms	100μg/mL Bromide, Chloride, Fluoride, Nitrate, Phosphate, Sulfate in H2O
Other means of identification	IC-1 Solution A

Recommended use of the chemical and restrictions on use

Relevant identified uses	Use according to manufacturer's directions.

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

Registered company name	High-Purity Standards
Address	PO Box 41727 SC 29423 United States
Telephone	843-767-7900
Fax	843-767-7906
Website	highpuritystandards.com
Email	Not Available

Emergency phone number

Ass	sociation / Organisation	INFOTRAC
	Emergency telephone numbers	1-800-535-5053
Othe	er emergency telephone numbers	1-352-323-3500

SECTION 2 HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Classification	Not Applicable
Classification	Not Applicable

Label elements

GHS label elements	Not Applicable
SIGNAL WORD	NOT APPLICABLE

Hazard statement(s)

Not Applicable

Hazard(s) not otherwise specified

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Version No: 3.3

IC-1 Solution A

Issue Date: **08/31/2016**Print Date: **08/31/2016**

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
7647-15-6	0.01 (as Br)	sodium bromide
7647-14-5	0.01 (as CI)	sodium chloride
7681-49-4	0.01 (as F)	sodium fluoride
7631-99-4	0.01 (as NO3)	sodium nitrate
7722-76-1	0.01 (as PO4)	ammonium phosphate, monobasic
7757-82-6	0.01 (as SO4)	sodium sulfate
7732-18-5	balance	water

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.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIRE-FIGHTING MEASURES

Extinguishing media

- ▶ There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

Special protective equipment and precautions for fire-fighters

Fire Fighting	▶ Use water delivered as a fine spray to control fire and cool adjacent area.
Fire/Explosion Hazard	► Non combustible.

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	► Clean up all spills immediately.
Major Spills	► Clear area of personnel and move upwind.

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

Version No: 3.3

Issue Date: **08/31/2016**Print Date: **08/31/2016**

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	► Limit all unnecessary personal contact.
Other information	

Conditions for safe storage, including any incompatibilities

Suitable container	▶ Polyethylene or polypropylene container.
Storage incompatibility	Avoid contamination of water, foodstuffs, feed or seed. None known

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Levels (PELs) - Table Z1	sodium fluoride	Fluorides	2.5 mg/m3	Not Available	Not Available	as F)
US OSHA Permissible Exposure Levels (PELs) - Table Z2	sodium fluoride	Fluoride as dust	2.5 mg/m3	Not Available	Not Available	(Z37.28–1969)
US ACGIH Threshold Limit Values (TLV)	sodium fluoride	Fluorides, as F	2.5 mg/m3	Not Available	Not Available	TLV® Basis: Bone dam; fluorosis; BEI
US NIOSH Recommended Exposure Limits (RELs)	sodium fluoride	Floridine, Sodium monofluoride	2.5 mg/m3	Not Available	Not Available	[*Note: The REL also applies to other inorganic, solid fluorides (as F).]

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
sodium bromide	Sodium bromide	0.3 mg/m3	3.3 mg/m3	690 mg/m3
sodium chloride	Chloride; (Chloride(1-); Chloride ions)	1 ppm	2.52 ppm	30 ppm
sodium chloride	Sodium chloride	11 mg/m3	120 mg/m3	1100 mg/m3
sodium fluoride	Sodium fluoride	5.5 mg/m3	5.5 mg/m3	1100 mg/m3
sodium nitrate	Sodium nitrate	12 mg/m3	130 mg/m3	250 mg/m3
ammonium phosphate, monobasic	Ammonium dihydrogen phosphate; (Monoammonium phosphate)	12 mg/m3	130 mg/m3	790 mg/m3
sodium sulfate	Sodium sulfate, anhydrous	11 mg/m3	130 mg/m3	650 mg/m3

Ingredient	Original IDLH	Revised IDLH
sodium bromide	Not Available	Not Available
sodium chloride	Not Available	Not Available
sodium fluoride	500 mg/m3	250 mg/m3
sodium nitrate	Not Available	Not Available
ammonium phosphate, monobasic	Not Available	Not Available
sodium sulfate	Not Available	Not Available
water	Not Available	Not Available

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.
Personal protection	
Eye and face protection	 Safety glasses with side shields Chemical goggles.
Skin protection	See Hand protection below
Hands/feet protection	Wear general protective gloves, eg. light weight rubber gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer.
Body protection	See Other protection below
Other protection	No special equipment needed when handling small quantities.
Thermal hazards	Not Available

Issue Date: **08/31/2016**Print Date: **08/31/2016**

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	colorless		
Physical state	Liquid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	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)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Product is considered stable and 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 the unbt to produce adverse bealth effects or irritation of the	reconirator street (as alconified by	C Directives using enimal models)		
	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models).				
Ingestion	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion".				
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).				
Eye	Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).				
Chronic	Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.				
	TOXICITY IRRITATION				
IC-1 Solution A	Not Available Not Available				
	TOWNER		IDDITATION		
	TOXICITY		IRRITATION		
sodium bromide	Dermal (rabbit) LD50: >2000 mg/kg ^[1]		Nil reported		
	Oral (rat) LD50: 2500 mg/kg ^[2]				
	TOXICITY	IRRITATION			
sodium chloride	Dermal (rabbit) LD50: >10000 mg/kg ^[1]	Eye (rabbit): 10 mg - moderate			
Soulum Chloride	Oral (rat) LD50: 3000 mg/kg ^[2]	Eye (rabbit):100 mg/24h - mo	oderate		
		Skin (rabbit): 500 mg/24h - m	nild		

Issue Date: **08/31/2016**Print Date: **08/31/2016**

 TOXICITY
 IRRITATION

 dermal (rat) LD50: >5000 mg/kg^[1]
 Nil reported

 Oral (rat) LD50: 1267 mg/kg^[2]
 Oral (rat) LD50: 1267 mg/kg^[2]

ammonium phosphate, monobasic

sodium fluoride

 TOXICITY
 IRRITATION

 dermal (rat) LD50: >5000 mg/kg^[1]
 Not Available

 Oral (rat) LD50: >1000 mg/kg^[1]
 Total (rat) LD50: >1000 mg/kg^[1]

sodium sulfate

TOXICITY IRRITATION
Oral (rat) LD50: >2000 mg/kg^[1] Nil reported

water

TOXICITY IRRITATION

Oral (rat) LD50: >90000 mg/kg^[2] Not Available

Legend:

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

SODIUM CHLORIDE

The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.

SODIUM FLUORIDE NOT cla

The substance is classified by IARC as Group 3: **NOT** classifiable as to its carcinogenicity to humans.

for sodium sulfate:

SODIUM SULFATE

Sulfate (and sodium) ions are important constituents of the mammalian body and of natural foodstuffs and there is a considerable daily turnover of both ions (several grams/day expressed as sodium sulfate).

Equivocal Tumorigen by RTECS criteria. Reproductive effector in mice.

SODIUM BROMIDE &
SODIUM CHLORIDE &
SODIUM FLUORIDE &
SODIUM NITRATE &
AMMONIUM PHOSPHATE,
MONOBASIC & SODIUM
SULFATE

Asthma-like symptoms may continue for months or even years after exposure to the material ceases.

SODIUM CHLORIDE & SODIUM FLUORIDE

The material may produce moderate eye irritation leading to inflammation.

AMMONIUM PHOSPHATE, MONOBASIC & WATER

No significant acute toxicological data identified in literature search.

Acute Toxicity	0	Carcinogenicity	0
Skin Irritation/Corrosion	0	Reproductivity	0
Serious Eye Damage/Irritation	0	STOT - Single Exposure	0
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	0
Mutagenicity	0	Aspiration Hazard	0

Legend:

X – Data available but does not fill the criteria for classification

— Data required to make classification available

Data Not Available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
sodium bromide	LC50	96	Fish	0.19mg/L	4
sodium bromide	EC50	48	Crustacea	0.0000067mg/L	5
sodium bromide	EC50	72	Algae or other aquatic plants	>400mg/L	2
sodium bromide	BCF	144	Crustacea	53.11mg/L	4
sodium bromide	EC50	48	Crustacea	0.0000076mg/L	5
sodium bromide	NOEC	384	Crustacea	2.8mg/L	2

Page 6 of 8

IC-1 Solution A

Issue Date: **08/31/2016**Print Date: **08/31/2016**

48 96 384 6 96 48 96 240 24 504 96 48 96 384 2880		Crustacea Algae or other aquatic plants Crustacea Fish Fish Crustacea Algae or other aquatic plants Fish Crustacea Crustacea Crustacea Fish Crustacea Fish Crustacea Fish Crustacea Fish Crustacea Algae or other aquatic plants Crustacea Fish Crustacea Fish Crustacea Fish Crustacea Fish	402.6mg/L 2430mg/L 140.582mg/L 0.001mg/L 51mg/L 58mg/L 43mg/L 5mg/L 0.2921000mg/L 3.7mg/L >98.9mg/L 1181.887mg/L 49.116mg/L 1.6mg/L	4 4 4 3 4 2 4 4 2 4 4 2 2 2 3 3 3 4
384 6 96 48 96 240 24 504 96 48 96 384 2880		Crustacea Fish Fish Crustacea Algae or other aquatic plants Fish Crustacea Crustacea Fish Crustacea Fish Crustacea Fish Crustacea Algae or other aquatic plants Crustacea Fish Fish Fish Crustacea Fish Fish	140.582mg/L 0.001mg/L 51mg/L 58mg/L 43mg/L 5mg/L 0.2921000mg/L 3.7mg/L >98.9mg/L 3581mg/L 1181.887mg/L 49.116mg/L	3 4 2 4 2 4 4 2 2 2 2 2 3 3 3 4
6 96 48 96 240 24 504 96 48 96 384 2880		Fish Fish Crustacea Algae or other aquatic plants Fish Crustacea Crustacea Fish Crustacea Algae or other aquatic plants Crustacea Algae or other aquatic plants Crustacea Fish	0.001mg/L 51mg/L 58mg/L 43mg/L 5mg/L 0.2921000mg/L 3.7mg/L >98.9mg/L 3581mg/L 1181.887mg/L 49.116mg/L	4 2 4 2 4 4 2 2 2 2 2 3 3 3
96 48 96 240 24 504 96 48 96 384 2880		Fish Crustacea Algae or other aquatic plants Fish Crustacea Crustacea Fish Crustacea Algae or other aquatic plants Crustacea Fish Crustacea Fish Fish	51mg/L 58mg/L 43mg/L 5mg/L 0.2921000mg/L 3.7mg/L >98.9mg/L 3581mg/L 1181.887mg/L 49.116mg/L	2 4 2 4 4 2 2 2 2 2 3 3 3
48 96 240 24 504 96 48 96 384 2880		Crustacea Algae or other aquatic plants Fish Crustacea Crustacea Fish Crustacea Algae or other aquatic plants Crustacea Fish Crustacea Fish Fish	58mg/L 43mg/L 5mg/L 0.2921000mg/L 3.7mg/L >98.9mg/L 3581mg/L 1181.887mg/L 49.116mg/L	4 2 4 4 2 2 2 2 2 3 3 3
96 240 24 504 96 48 96 384 2880		Algae or other aquatic plants Fish Crustacea Crustacea Fish Crustacea Algae or other aquatic plants Crustacea Fish	43mg/L 5mg/L 0.2921000mg/L 3.7mg/L >98.9mg/L 3581mg/L 1181.887mg/L 49.116mg/L	2 4 4 2 2 2 2 3 3 3 4
240 24 504 96 48 96 384 2880		Fish Crustacea Crustacea Fish Crustacea Algae or other aquatic plants Crustacea Fish	5mg/L 0.2921000mg/L 3.7mg/L >98.9mg/L 3581mg/L 1181.887mg/L 49.116mg/L	4 4 2 2 2 2 3 3 3
24 504 96 48 96 384 2880		Crustacea Crustacea Fish Crustacea Algae or other aquatic plants Crustacea Fish	0.2921000mg/L 3.7mg/L >98.9mg/L 3581mg/L 1181.887mg/L 49.116mg/L	4 2 2 2 2 3 3 3 4
504 96 48 96 384 2880		Crustacea Fish Crustacea Algae or other aquatic plants Crustacea Fish	3.7mg/L >98.9mg/L 3581mg/L 1181.887mg/L 49.116mg/L	2 2 2 3 3 4
96 48 96 384 2880		Fish Crustacea Algae or other aquatic plants Crustacea Fish	>98.9mg/L 3581mg/L 1181.887mg/L 49.116mg/L	2 2 3 3 4
48 96 384 2880		Crustacea Algae or other aquatic plants Crustacea Fish	3581mg/L 1181.887mg/L 49.116mg/L	2 3 3 4
96 384 2880		Algae or other aquatic plants Crustacea Fish	1181.887mg/L 49.116mg/L	3 3 4
384 2880		Crustacea Fish	49.116mg/L	3 4
2880		Fish	-	4
			1.6mg/L	
96				
		Fish	>85.9mg/L	2
72		Algae or other aquatic plants	>97.1mg/L	2
72		Algae or other aquatic plants	>97.1mg/L	2
72		Algae or other aquatic plants	3.57mg/L	2
96		Fish	ca.56mg/L	2
48		Crustacea	2564mg/L	2
96		Algae or other aquatic plants	105.72278mg/L	3
360		Algae or other aquatic plants	4mg/L	1
168		Fish	<220mg/L	4
96		Fish	897.520mg/L	3
96		Algae or other aquatic plants	8768.874mg/L	3
384		Crustacea	199.179mg/L	3
	72 96 48 96 360 168 96 96 384 seed from 1. IUCLID Toxicite Toxicity Data (Estimated	72 96 48 96 360 168 96 96 384 sed from 1. IUCLID Toxicity Data 2. Europe ECHA R	72 Algae or other aquatic plants 96 Fish 48 Crustacea 96 Algae or other aquatic plants 360 Algae or other aquatic plants 168 Fish 96 Fish 96 Algae or other aquatic plants Crustacea 184 Crustacea	72 Algae or other aquatic plants 3.57mg/L 96 Fish ca.56mg/L 48 Crustacea 2564mg/L 96 Algae or other aquatic plants 105.72278mg/L 360 Algae or other aquatic plants 4mg/L 168 Fish <220mg/L 96 Fish 897.520mg/L 96 Algae or other aquatic plants 105.72278mg/L 48 Crustacea 199.179mg/L 49 Crustacea 199.179mg/L 49 Crustacea 199.179mg/L 40 Algae or other aquatic plants 105.72278mg/L 40 Algae or other aquatic plants 105.7228mg/L 40 Algae or other aquatic p

For Fluorides: Small amounts of fluoride have beneficial effects however; excessive intake over long periods may cause dental and/or skeletal fluorosis.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
sodium bromide	HIGH	HIGH
sodium chloride	LOW	LOW
sodium fluoride	LOW	LOW
sodium nitrate	LOW	LOW
ammonium phosphate, monobasic	нівн	HIGH
sodium sulfate	HIGH	HIGH
water	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
sodium bromide	LOW (LogKOW = -0.3713)
sodium chloride	LOW (LogKOW = 0.5392)
sodium fluoride	LOW (BCF = 6.4)
sodium nitrate	LOW (LogKOW = 0.209)
ammonium phosphate, monobasic	LOW (LogKOW = -0.7699)
sodium sulfate	LOW (LogKOW = -2.2002)
water	LOW (LogKOW = -1.38)

Mobility in soil

Ingredient	Mobility
sodium bromide	LOW (KOC = 14.3)

Page 7 of 8

IC-1 Solution A

Version No: 3.3 Print Date: 08/31/2016

sodium chloride	LOW (KOC = 14.3)
sodium fluoride	LOW (KOC = 14.3)
sodium nitrate	LOW (KOC = 14.3)
ammonium phosphate, monobasic	HIGH (KOC = 1)
sodium sulfate	LOW (KOC = 6.124)
water	LOW (KOC = 14.3)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal Legislation addressing waste disposal requirements may differ by country, state and/ or territory.

- ▶ DO NOT allow wash water from cleaning or process equipment to enter drains
- ► Recycle wherever possible.

SECTION 14 TRANSPORT INFORMATION

Labels Required

Marine Pollutant

Land transport (DOT): 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

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

SODIUM BROMIDE(7647-15-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

SODIUM CHLORIDE(7647-14-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

SODIUM FLUORIDE(7681-49-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

US - Alaska Limits for Air Contaminants

US - California OEHHA/ARB - Acute Reference Exposure Levels and Target Organs (RELs) US - California OEHHA/ARB - Chronic Reference Exposure Levels and Target Organs

US - California Permissible Exposure Limits for Chemical Contaminants

US - Hawaii Air Contaminant Limits

US - Idaho - Limits for Air Contaminants

US EPCRA Section 313 Chemical List

US - Michigan Exposure Limits for Air Contaminants

US - Minnesota Permissible Exposure Limits (PELs)

US - Oregon Permissible Exposure Limits (Z-1)

US - Oregon Permissible Exposure Limits (Z-2)

US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants

US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants SODIUM NITRATE(7631-99-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants

US - Washington Permissible exposure limits of air contaminants

US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values

US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants US - Wyoming Toxic and Hazardous Substances Table Z-2 Acceptable ceiling concentration.

Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift

US ACGIH Threshold Limit Values (TLV)

US ACGIH Threshold Limit Values (TLV) - Carcinogens

US ATSDR Minimal Risk Levels for Hazardous Substances (MRLs)

US NIOSH Recommended Exposure Limits (RELs)

US OSHA Permissible Exposure Levels (PELs) - Table Z1

US OSHA Permissible Exposure Levels (PELs) - Table Z2

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

AMMONIUM PHOSPHATE, MONOBASIC(7722-76-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

SODIUM SULFATE(7757-82-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - California OEHHA/ARB - Acute Reference Exposure Levels and Target Organs (RELs)

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values

WATER(7732-18-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Issue Date: 08/31/2016

Catalogue number: IC-1 Solution A

Version No: 3.3

Page 8 of 8 **IC-1 Solution A**

Issue Date: 08/31/2016 Print Date: 08/31/2016

SECTION 311/312 HAZARD CATEGORIES

Immediate (acute) health hazard	No
Delayed (chronic) health hazard	No
Fire hazard	No
Pressure hazard	No
Reactivity hazard	No

US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)

Name	Reportable Quantity in Pounds (lb)	Reportable Quantity in kg
Sodium fluoride	1000	454

State Regulations

US. CALIFORNIA PROPOSITION 65

None Reported

National Inventory	Status
Australia - AICS	Υ
Canada - DSL	Υ
Canada - NDSL	N (sodium bromide; ammonium phosphate, monobasic; water; sodium fluoride; sodium sulfate; sodium nitrate; sodium chloride)
China - IECSC	Υ
Europe - EINEC / ELINCS / NLP	Y
Japan - ENCS	N (water)
Korea - KECI	Y
New Zealand - NZIoC	Υ
Philippines - PICCS	Υ
USA - TSCA	Υ
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 OTHER INFORMATION

Other information

Ingredients with multiple cas numbers

Name	CAS No
sodium chloride	7647-14-5, 14762-51-7, 16887-00-6
sodium sulfate	7757-82-6, 15124-09-1, 1337-28-6

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.

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

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

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