

SAFETY DATA SHEET

IC 2 System Saver® Pellets Iron Check

Section 1. Identification

GHS product identifier	:	IC 2 System Saver® Pellets Iron Check
Other means of identification	:	Not available.
Product use	:	Not available.
Product type	:	Solid.
Manufacturer	:	Jacam Manufacturing 2013, L.L.C. P.O.Box 208, 1656 Ave. Q. Sterling, Kansas 67579
Validation date	:	3/21/2018
For Chemical Emergency Spill, Leak Fire, Exposure or Accident:	:	Call CHEMTREC Day or Night Within USA and Canada 800-424-9300 Or +1 703-527-3887 (Collect calls accepted)
		Direct all other calls to: Jacam Chemicals 2013, L.L.C. 620-278-3355 Mon – Fri 8 a.m. to 5 p.m. (Closed on major holidays)
Supplier's details	:	Jacam Chemicals 2013, L.L.C. P.O. Box 96, 205 S. Broadway Sterling, Kansas 67579

Section 2. Hazards identification

Classification of the substance or mixture	: ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1

GHS label elements

Date of issue/Date of revision

Version : 1

Section 2. Hazards identification

Hazard pictograms	
Signal word	: Danger
Hazard statements	 H302 - Harmful if swallowed. H318 - Causes serious eye damage. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction.
Precautionary statement	<u>5</u>
General	 P103 - Read label before use. P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.
Prevention	 P280 - Wear protective gloves. Wear eye or face protection. P261 - Avoid breathing dust. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling. P272 (OSHA) - Contaminated work clothing must not be allowed out of the workplace.
Response	 P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. P302 + P352 + P363 - IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. P333 + P313 - If skin irritation or rash occurs: Obtain medical attention. P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
Storage	: Not applicable.
Disposal	 P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified	: None known.
Routes of entry	 Dermal contact. Eye contact. Inhalation. Ingestion. INGESTION: Although not a normal route of entry, ingestion is expected to be harmful. DO NOT TAKE INTERNALLY. FOR INDUSTRIAL USE ONLY.
Target organs	: Contains material which may cause damage to the following organs: the nervous system, upper respiratory tract, skin, eye, lens or cornea, stomach.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of	: Not available
identification	

CAS number/other identifiers

CAS number : Not applic

Date of issue/Date	of revision
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Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
tetrakis(hydroxymethyl)phosphonium chloride	10 - 30	124-64-1
Ammonium chloride	1 - 5	12125-02-9

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	If irritation persists, obtain medical attention. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	If irritation persists, obtain medical attention. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	If irritation persists, obtain medical attention. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 15 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	If irritation persists, obtain medical attention. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health	<u>effects</u>			
Eye contact	: Causes	s serious eye damage.		
Inhalation	: No know	wn significant effects or critical hazards.		
Skin contact	: Causes	skin irritation. May cause an allergic skin	reaction.	
Ingestion	: Harmfu	l if swallowed.		
Date of issue/Date of revision	3/21/2018	People + Products ڂ Performance [™]	Version	: 1

Page: 4/15

Section 4. First aid measures

Over-exposure signs	/symptoms			
Eye contact	: Adverse symptoms r pain watering redness	nay include the follow	ing:	
Inhalation	: No specific data.			
Skin contact	: Adverse symptoms r pain or irritation redness	nay include the follow	ing:	
Ingestion	: Adverse symptoms r stomach pains	nay include the follow	ing:	
Specific target organ	toxicity (single exposure)			
Name		Category	Route of exposure	Target organs
Not available.				
Specific target organ Not available.	toxicity (repeated exposure)			
Aspiration hazard Name		Ē	Result	
Not available.				

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

<u>Extinguishing media</u> Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Additional Vapor Statement	:	Not available. Not available.

Section 5. Fire-fighting measures

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Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides halogenated compounds metal oxide/oxides
Special protective actions for fire-fighters	 Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protect	:tiv	e equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	ont	ainment and cleaning up
Small spill	:	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling	<u>ng</u>
Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Date of issue/Date of revision	3/21/2018	People + Products 🗢 Performance [™]

Section 7. Handling and storage

Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Occupational exposure li		
Ingredient name		Exposure limits
etrakis(hydroxymethyl)phosp	phonium chloride	ACGIH TLV (United States, 4/2014). Skin sensitizer. TWA: 2 mg/m³ 8 hours.
Ammonium chloride		ACGIH TLV (United States, 4/2014). TWA: 10 mg/m ³ 8 hours. Form: Fume STEL: 20 mg/m ³ 15 minutes. Form: Fume NIOSH REL (United States, 10/2013). TWA: 10 mg/m ³ 10 hours. Form: Fume STEL: 20 mg/m ³ 15 minutes. Form: Fume OSHA PEL 1989 (United States, 3/1989). TWA: 10 mg/m ³ 8 hours. STEL: 20 mg/m ³ 15 minutes.
Appropriate engineering controls	enclosures, local exhaust	te dust, fumes, gas, vapor or mist, use process ventilation or other engineering controls to keep worker taminants below any recommended or statutory limits.
Environmental exposure controls	they comply with the requ cases, fume scrubbers, fi	n or work process equipment should be checked to ensure irements of environmental protection legislation. In some lters or engineering modifications to the process ary to reduce emissions to acceptable levels.
Individual protection meas	sures	
Hygiene measures	before eating, smoking ar Appropriate techniques sl	nd face thoroughly after handling chemical products, nd using the lavatory and at the end of the working period. hould be used to remove potentially contaminated clothing ing should not be allowed out of the workplace. Wash fore reusing.
Eye/face protection	assessment indicates this gases or dusts. If contact unless the assessment in	g with an approved standard should be used when a risk s is necessary to avoid exposure to liquid splashes, mists, t is possible, the following protection should be worn, dicates a higher degree of protection: chemical splash d. If inhalation hazards exist, a full-face respirator may be
Skin protection		
Date of issue/Date of revision	3/21/2018 People + Prod	ucts → Performance [™] Version : 1

Section 8. Exposure controls/personal protection

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Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Personal protective equipment (Pictograms)	:	

Section 9. Physical and chemical properties

<u>Appearance</u>		
Physical state	:	Solid.
Color	1	Not available.
Odor	:	Not available.
Odor threshold	1	Not available.
рН	1	Not applicable.
Melting point	1	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	4	Not available.
(flammable) limits		
Vapor pressure	1	Not available.
Vapor density	1	Not available.
Relative density	1	Not available.
Density	:	Not available.
Solubility	1	Easily soluble in the following materials: cold water.
Partition coefficient: n-octanol/ water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredien	ts.
Chemical stability	: The product is stable.	
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.	
Conditions to avoid	: No specific data.	
Incompatible materials	: No specific data.	
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.	

Section 11. Toxicological information

Information on toxicologic	al effects					
Acute toxicity						
Product/ingredient name	Result		Specie	S	Dose	Exposure
tetrakis(hydroxymethyl) phosphonium chloride	LD50 Oral		Rat		161 mg/kg	-
Ammonium chloride	LD50 Oral		Rat		1650 mg/kg	-
Irritation/Corrosion						
Product/ingredient name	Result		Species	Score	Exposure	Observation
Ammonium chloride	Eyes - Mild irr	itant	Rabbit	-	24 hours 5 milligrams	00 -
	Eyes - Severe	e irritant	Rabbit	-	100 milligrams	-
Sensitization						
Product/ingredient name	Route of exposure	Species			Result	
Not available.						
Mutagenicity						
Product/ingredient name	Test	Ex	xperiment		Result	
Not available.						
Carcinogenicity						
Product/ingredient name	Result		Species	1	Dose	Exposure
Not available.						
Product/ingredient name						
Not available.						
Reproductive toxicity						
Date of issue/Date of revision	3/21/2018	People + Pro	oducts 🗢 Perfo	rmance™	Version	: 1

IC 2 System Saver® Pellets Iron Check

Section 11. Toxicological information

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose Exposu
Not available.					
Teratogenicity					
Product/ingredient name	Result		Species	Dose	Exposure
Not available.					
Specific target organ toxicity	<u>y (single ex</u>	posure)			
Name			Category	Route of exposure	Target organ
Not available.					
Specific target organ toxicity	y (repeated	<u>exposure)</u>			
Not available.					
Aspiration hazard					
Name				Result	
Not available.					
Information on the likely ToxKinetics - routes of exposure	: Routes	of entry anti	cipated: Oral, Derm	nal, Inhalation.	
Potential acute health effects	<u>s</u>				
Eye contact	: Causes	serious eye	damage.		
Inhalation	: No know	wn significan	t effects or critical	hazards.	
Skin contact			•	llergic skin reactior	1.
Ingestion	: Harmful	l if swallowe	d.		
Symptoms related to the phy	ysical, chem	nical and to	xicological charad	<u>cteristics</u>	
Eye contact	: Adverse pain watering redness	9	may include the fol	lowing:	
Inhalation	: No spec	cific data.			
Skin contact		irritation	may include the fol	lowing:	
Ingestion	: Adverse stomack		may include the fol	lowing:	
	cts and also	<u>chronic ef</u>	fects from short a	nd long term expo	<u>osure</u>
Delayed and immediate effect				-	
Delayed and immediate effect					
	: Not ava	ilable.			
Potential immediate	: Not ava : Not ava				

Date of issue/Date of revision

3/21/2018

Section 11. Toxicological information

Potential delayed effects : Not available. Potential chronic health effects

Not available.

General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	694.2 mg/kg

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Ammonium chloride	Acute EC50 0.07 mg/l Marine water	Algae - Hormosira banksii - Gamete	72 hours
	Acute LC50 20 µg/l Fresh water	Crustaceans - Macrobrachium rosenbergii - Post-larvae	48 hours
	Acute LC50 390 µg/l Fresh water	Daphnia - Daphnia magna - Young	48 hours
	Acute LC50 80 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 0.6 mg/l Marine water	Algae - Entomoneis punctulata - Exponential growth phase	72 hours
	Chronic NOEC 330 µg/l Fresh water	Crustaceans - Crangonyx sp Juvenile (Fledgling, Hatchling, Weanling)	21 days
	Chronic NOEC 19.66 mg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 0.006 mg/l Fresh water	Fish - Ictalurus punctatus - Fry	30 days
Conclusion/Summary	Not available.		

Persistence and degradability

Not available.

Product/ingredient name

Not available.

Product/ingredient name

Not available.

Date of issue/Date of revision

3/21/2018

Section 12. Ecological information

Bioaccumulative potential			
Product/ingredient name	LogPow	BCF	Potential
tetrakis(hydroxymethyl)phosphonium chloride Ammonium chloride	-9.77 -3.2	-	low low

Mobility in soil

Soil/water partition : Not available. coefficient (Koc)

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled
	material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Regulatory information	UN/NA Number	Proper shipping name	Hazard PG* Class(es)
DOT Classificatio	n		PG* : Packing group
	Not regulated.	-	

Additional information

Label

TDG Classification					
Not regulate	- d.			-	-
Date of issue/Date of revision	3/21/2018	People + Products → Performance [™]	Version	: 1	

Section 14. Transport information

Additional information

Label

MDG Class Not regulated.	
Merine vellutert reter	: Not available.
Marine pollutant notes:	
Additional information	
-	
Label	
IATA-DGR Class	
Not	
regulated.	
Additional information	
Label	

Section 15. Regulatory information **U.S. Federal regulations** : TSCA 8(a) CDR Exempt/Partial exemption: Not determined All components are listed or exempted. Clean Water Act (CWA) 311: Ammonium chloride **Clean Air Act Section 112** : Not listed (b) Hazardous Air **Pollutants (HAPs) Clean Air Act Section 602** : Not listed **Class I Substances Clean Air Act Section 602** : Not listed **Class II Substances DEA List I Chemicals** : Not listed (Precursor Chemicals) **DEA List II Chemicals** : Not listed (Essential Chemicals) SARA 302/304 **Composition/information on ingredients** No products were found. **SARA 304 RQ** : Not applicable. SARA 311/312 People + Products - Performance : 1 Date of issue/Date of revision 3/21/2018 Version

Section 15. Regulatory information

Classification : Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	(acute) health	Delayed (chronic) health hazard
tetrakis(hydroxymethyl)phosphonium chloride	10 - 30	No.	No.	No.	Yes.	No.
Ammonium chloride	1 - 5	No.	No.	No.	Yes.	No.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Ammonium chloride	12125-02-9	1 - 5
Supplier notification	Ammonium chloride	12125-02-9	1 - 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts	: The following components are listed: AMMONIUM CHLORIDE
New York	: The following components are listed: Ammonium chloride
New Jersey	 The following components are listed: TETRAKIS (HYDROXYMETHYL) PHOSPHONIUM CHLORIDE; PHOSPHONIUM, TETRAKIS(HYDROXYMETHYL)-, CHLORIDE (1:1); AMMONIUM CHLORIDE
Donnovlyonia	The following components are listed: AMMONIUM CHLORIDE ((NH4)CL)

Pennsylvania : The following components are listed: AMMONIUM CHLORIDE ((NH4)CL)

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants
Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Date of issue/Date of revision	3/21/2018	People + Products → Performance [™]	Version	:	1
Australia	÷	Not determined.			
Canada inventory-DS International lists National inventory	L / NDSL	: All components are listed or exempted.			
CEPA Toxic substances		: None of the components are listed.			
Canadian NPRI (Pollution Release)		: The following components are listed: Ammonia (total)			
<u>Canadian lists</u>					

Section 15. Regulatory information

	-	
Canada	: All components are listed or exempted.	
China	: All components are listed or exempted.	
Europe	: Not determined.	
Japan	: Japan inventory (ENCS): Not determined.	
	Japan inventory (ISHL): Not determined.	
Malaysia	: Not determined.	
New Zealand	All components are listed or exempted.	
Philippines	Not determined.	
Republic of Korea	All components are listed or exempted.	
Taiwan	: Not determined.	

Section 16. Other information

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Normal Package Size(s):	Ball: 2" Ball 50/Cooler; 4" Ball 12/Cooler
	Dry Product: 50 Lbs/Box
	Liquid: 5 Gallon/55 Gallon/Bulk
	Pellets: 30 Lbs/Cooler; 24 Lbs/Pail
	Stix: 1 1/4": 50 Each/Cooler

<u>History</u>	
Date of issue/Date of rev	ion : 3/21/2018
Version	: 1
Date of previous issue	: No previous validation
Previous Validation Date	: No previous validation
Prepared by	: Jacam Regulatory Department
SDS Requests:	: SDS@jacam.com
Key to abbreviations: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient	
Date of issue/Date of revision	People + Products ← Performance [™] Version: 1

Page: 14/15

Section 16. Other information

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations Not available.

References

Indicates information that has changed from previously issued version.

Notice to reader

This Safety Data Sheet ("SDS") is a mandatory disclosure pursuant to 29 CFR § 1910.1200 and related rules and regulations. Therefore, it is not intended, nor shall it serve to create, any rights, obligations, liabilities, and remedies, of any kind whatsoever, between Jacam Chemicals 2013, LLC and related entities ("Jacam") and any users of this SDS ("Users").

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*** END OF SDS ***