SAFETY DATA SHEET 4 KP

		Supersedes Revision: 02/10/2015
	1. Product and Co	mpany Identification
Product Code:	231080	
Product Name:	4 KP	
Company Name:	IBA	Phone Number:
	27 Providence Rd.	1 (508)865-6911
	Millbury, MA 01527	
Emergency Contact:	Chemtrec	1 (800)424-9300
	2. Hazards	Identification
Skin Corrosion/Irritation, Ca Serious Eye Damage/Eye Irr	• •	
GHS Signal Word:	Warning	
GHS Hazard Phrases:	Causes mild skin irritation.	
	Causes eye irritation.	
GHS Precaution Phrases:	Keep out of reach of childre	en.
	Read label before use.	
	Do not get in eyes, on skir	-
	Wash hands thoroughly af	er handling.
GHS Response Phrases:		sly with water for several minutes. Remove contact lenses, if ontinue rinsing for 15 minutes. If eye irritation persists: Get
	medical advice/attention.	
	IF SWALLOWED: Rinse m advice/attention.	outh. Do NOT induce vomiting. Get immediate medical
	IF ON SKIN: Remove imm	ediately all contaminated clothing and wash it before reuse.
		for 15 minutes. If skin irritation occurs: Get medical
	advice/attention.	
	Medical and Tranportation	Emergencies contact Chemtrec 1-800-424-9300
GHS Storage and Disposal Phrases:	Dispose of contents/contai	ner in accordance to local, state and federal regulations.
Hazard Rating System:	HEALTH 1	
	FLAMMABILITY 0 PHYSICAL 0	
HMIS:	PPE B	
Potential Health Effects		
Polential Health Effects		

	3. Composition/Information on Ingredients					
CAS #	Hazardous Components (Chemical Name)	Concentration				
1310-58-3	Potassium hydroxide	<1.0 %				
27176-87-0	Dodecylbenzenesulfonic acid	<5.0 %				
10213-79-3	Sodium meta silicate	1.0 - 10 %				
7320-34-5	Potassium pyrophosphate	1.0 - 10 %				
34590-94-8	Propanol, (2-Methoxymethylethoxy)-	<2.0 %				
107-98-2	2-Propanol, 1-Methoxy-	<1.0 %				

(Acute and Chronic):

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	Supersedes Revision: 02/10/2015
	4. First Aid Measures
Emergency and First Aid Procedures:	
In Case of Skin Contact: In Case of Eye Contact:	Wash any sensitive areas. If skin irritation occurs: Get medical advice/attention. Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
In Case of Ingestion:	Do not induce vomiting. Rinse mouth with fresh, Tepid water, than immediately drink 4-8 oz. or milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs.
	5. Fire Fighting Measures
Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media	a:Dry chemical, CO2, sand, earth, water spray or regular foam.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Flammable Properties and Hazards:	No data available.
	6. Accidental Release Measures
Protective Precautions, Protective Equipment and Emergency Procedures:	Rubber or neoprene gloves, Safety glasses, Wear chemical protective clothing.
Steps To Be Taken In Case Material Is Released Or Spilled:	Absorb spill with inert material (e.g. dry sand or earth), and dispose of in accordance with applicable regulations.
	7. Handling and Storage
Precautions To Be Taken in Handling:	Do not get in eyes, on skin or on clothing.
Precautions To Be Taken in Storing:	Keep from freezing.
8	. Exposure Controls/Personal Protection
OAO # Destiel Obernied	

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-58-3	Potassium hydroxide	No data.	CEIL: 2 mg/m3	No data.
27176-87-0	Dodecylbenzenesulfonic acid	No data.	No data.	No data.
10213-79-3	Sodium meta silicate	No data.	No data.	No data.
7320-34-5	Potassium pyrophosphate	No data.	No data.	No data.
34590-94-8	Propanol, (2-Methoxymethylethoxy)-	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.
107-98-2	2-Propanol, 1-Methoxy-	No data.	TLV: 100 ppm	No data.

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STEL: 150 ppm

	STEL: 150 ppm
Respiratory Equipment	A respirator is not needed under normal and intended conditions of product use.
(Specify Type):	
Eye Protection:	As needed
Protective Gloves:	As needed
Other Protective Clothing:	As needed
Engineering Controls (Ventilation etc.):	No data available.
	9. Physical and Chemical Properties
Physical States:	[]Gas [X]Liquid []Solid
Appearance and Odor:	Appearance: Clear Colorless Liquid
	Odor: No apparent odor.
Melting Point:	No data.
Boiling Point:	No data.
Autoignition Pt:	No data.
Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data.
Specific Gravity (Water = 1):	1.140 - 1.200
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	100
pH:	Alk.
Percent Volatile:	No data.
	10. Stability and Reactivity
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Avoid handling conditions which may allow for leaks and spills of this material.
Incompatibility - Materials To	No data available.
Avoid: Hazardous Decomposition O	r No data available
Byproducts:	
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

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		11.	loxicologi	cal Informat	ION			
oxicologica	I Information:	Eye contact	, Skin contact					
ritation or C	corrosion:	Eyes: C	auses serious ey	e irritation.				
		Skin: 0	Skin: Causes mild skin irritation.					
		Ingestion: H	ealth injuries are	e not known or exp	pected under no	rmal use.		
		Inhalation: I	lealth injuries ar	e not known or ex	pected under no	ormal use.		
Symptoms re Foxicologica Characteristi	I	Skin: Ingestion:	• •	ritation. nown or expected.				
CAS #	Hazardous Co		• •	nown or expected NTP	IARC	ACGIH	OSHA	
1310-58-3	Potassium hydr			n.a.	n.a.	n.a.	n.a.	
27176-87-0	Dodecylbenzen			n.a.	n.a.	n.a.	n.a.	
10213-79-3	Sodium meta si			n.a.	n.a.	n.a.	n.a.	
7320-34-5	Potassium pyro			n.a.	n.a.	n.a.	n.a.	
34590-94-8	Propanol, (2-Me		oxy)-	n.a.	n.a.	n.a.	n.a.	
107-98-2	2-Propanol, 1-M			n.a.	n.a.	n.a.	n.a.	
DOT Prop	ard Class:	T):	4. Iranspor	rt Informatio	'n			
		15	. Regulator	y Informatio	on			
EPA SARA (S	•		uthorization Act	of 1986) Lists				
C AS # 1310-58-3	Hazardous Cor Potassium hydr	• •	mical Name)	S. 302 (EHS) No	S. 304 RQ Yes 1000 LB	S. 31 : No	3 (TRI)	
27176-87-0	Dodecylbenzen			No	Yes 1000 LB	No		
10213-79-3	Sodium meta si			No	No	No		
7320-34-5	Potassium pyro			No	No	No		
34590-94-8	Propanol, (2-Me				No	No		
				No				
107-98-2	2-Propanol, 1-N	1ethoxy-	Олу)-	No No	No	No		
	2-Propanol, 1-M	-				No		

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		Supersedes Revision: 02/10/2015	
		EHS: Yes - 1571; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes	
27176-87-0	Dodooylbonzonooylfonio ooid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -	
21110-01-0	Dodecylbenzenesulfonic acid	Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA	
		Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ	
		EHS: Yes - 0822; NY Part 597: Yes; PA HSL: Yes - E; SC	
		TAP: No; WI Air: No	
10213-79-3	Sodium meta silicate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA	
10210100		PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI	
		CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No;	
		PA HSL: No; SC TAP: No; WI Air: No	
7320-34-5	Potassium pyrophosphate	CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes -	
		Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA	
		Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS:	
		No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No	
34590-94-8	Propanol, (2-Methoxymethylethoxy)	- CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -	
		Inventory, 4 Test, 8A PAIR; CA PROP.65: No; CA TAC, Title	
		8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP:	
		No; NJ EHS: Yes - 0804; NY Part 597: No; PA HSL: Yes - 1;	
		SC TAP: No; WI Air: No	
107-98-2	2-Propanol, 1-Methoxy-	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -	
		Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA	
		Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS:	
		Yes - 1613; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No;	
		WI Air: Yes	

16. Other Information

Revision Date: 04

04/06/2015

Additional Information AboutCompany's Disclaimer: While IBA belives this statement set forth herin are accurate as
of the date hereof, IBA makes no warranty with respect thereto and expressly disclaims
all liability for reliance theron. Such data is offered solely for your consideration,
investigation and verification.

	1. Product and Com	pany Identification		
Product Code: Product Name: Company Name:	162530 4XLA Activator IBA 27 Providence Rd. Millbury, MA 01527	Phone Number: 1 (508)865-6911		
Emergency Contact:	Chemtrec	1 (800)424-9300		
	2. Hazards Id	entification		
Serious Eye Damage/Eye Irr	itation, Category 2B			
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases:	Warning Causes eye irritation. Keep out of reach of children. Read label before use.			
GHS Response Phrases:	 Do not get in eyes, on skin, or on clothing. Wear rubber gloves, chemical goggles, face shield and rubber apron. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention. IF ON SKIN: Remove immediately all contaminated clothing and wash it before reuse. Wash with plenty of water for 15 minutes. If skin irritation occurs: Get medical advice/attention. 			
GHS Storage and Disposal		ergencies contact Chemtrec 1-800-424-9300 in accordance to local, state and federal regulations.		
Phrases:				
Hazard Rating System:	HEALTH1FLAMMABILITY0PHYSICAL0PPEB			
HMIS:				
Potential Health Effects (Acute and Chronic):				
3	. Composition/Inform	ation on Ingredients		

CAS #	Hazardous Components (Chemical Name)	Concentration
50-21-5	Lactic acid	2.5 - 2.8 %

	4. Fir	st Aid Measu	ires	
Emergency and First Aid				
Procedures:				
In Case of Skin Contact:	For ready-to-use pro advice/attention.	ducts, wash any se	nsitive areas. If skin irritat	ion occurs, get medical
In Case of Eye Contact:	Hold eyelids open to side and irrigate the run-off from entering	ensure complete in eye from the bridge the other eye, mou	nts of fresh, tepid water fo rigation of eye and lid tiss of the nose to the outside th or ear. Washing eye w m effectiveness. Get med	ues. Tilt head to the of the face. Keep ithin the first few
In Case of Ingestion:	oz. or milk or water.	Never give anything pairways open. Ke	ith fresh, Tepid water, tha g by mouth to an unconsc ep head lower than hips to tion.	ious person. If
	5. Fire	Fighting Mea	sures	
Flash Pt:	No data.			
Explosive Limits:	LEL: No data.	UE	EL: No data.	
Autoignition Pt:	No data.			
Suitable Extinguishing Media	a:Dry chemical, CO2,	sand, earth, water s	spray or regular foam.	
Fire Fighting Instructions:	•		athing apparatus in press , and full protective gear.	ure-demand,
Flammable Properties and Hazards:	No data available.			
	6. Accider	ital Release M	leasures	
Protective Precautions, Protective Equipment and Emergency Procedures:	Safety glasses, rubl	per or neoprene glo	ves. Wear chemical prote	ctive clothing.
Steps To Be Taken In Case Material Is Released Or Spilled:	Absorb spill with ine applicable regulation	,	sand or earth), and dispo	se of in accordance with
	7. Har	dling and Sto	orage	
Precautions To Be Taken in Handling:	For industrial or insti	tutional use only.		
Precautions To Be Taken in Storing:	Store locked up. Kee	ep from freezing. St	ore away from incompatib	le substances
8	. Exposure Co	ontrols/Perso	nal Protection	
CAS # Partial Chemical	I Name	OSHA TWA	ACGIH TWA	Other Limits

No data.

No data.

50-21-5

Lactic acid

No data.

Respiratory Equipment	A respirator is not needed under normal and intended conditions of product use.				
(Specify Type):					
Eye Protection:	Safety glasses				
Protective Gloves:	Rubber or neoprene gloves				
Other Protective Clothing:	Wear chemical protective clothing.				
Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. In a well				
(Ventilation etc.):	ventilated area. Wash hands before breaks and at the end of workday.				
	9. Physical and Chemical Properties				
Physical States:	[]Gas [X]Liquid []Solid				
Appearance and Odor:	Appearance: Dark Orange Liquid				
	Odor: No apparent odor.				
Melting Point:	No data.				
Boiling Point:	No data.				
Autoignition Pt:	No data.				
Flash Pt:	No data.				
Explosive Limits:	LEL: No data. UEL: No data.				
Specific Gravity (Water = 1):	1.030 - 1.070				
Vapor Pressure (vs. Air or	No data.				
mm Hg):					
Vapor Density (vs. Air = 1):	No data.				
Evaporation Rate:	No data.				
Solubility in Water:	100				
Viscosity:	> 40 cps.				
pH:	2.0 - 3.0				
Percent Volatile:	No data.				
	10. Stability and Reactivity				
Stability:	Unstable [] Stable [X]				
Conditions To Avoid -	Avoid handling conditions which may allow for leaks and spills of this material. Do not				
Instability:	permit personnel to handle this product without proper training and/or protective equipment.				
Incompatibility - Materials To	Avoid contact with alkalis and chlorine products. Avoid contact with materials such as				
Avoid:	alumimum, tin, zinc, and alloys containing these materials				
Hazardous Decomposition O Byproducts:	r No data available.				
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]				
Conditions To Avoid - Hazardous Reactions:	No data available.				

		1 <u>1. Toxi</u>	cological	Informati	on		
-	al Information:	Inhalation, Eye contact, Skin contact					
Irritation or	Corrosion:	Eyes: Causes eye	e irritation.				
		Skin: No known si	gnificant effect	s or critical ha	zards.		
Ingestion: No known significant effects or critical hazards.							
		Inhalation: No kno	wn significant o	effects or critic	al hazards.		
Symptoms r Toxicologica Characterist	al	•	•	or expected. or expected.			
CAS #	Hazardous Cor	nponents (Chemical N	Name)	NTP	IARC	ACGIH	OSHA
50-21-5	Lactic acid			n.a.	n.a.	n.a.	n.a.
		12. Ec	ological Ir	nformatio	n		
General Eco	-	This product has n	o known ecoto	oxicological eff	ects.		
		13. Disp	oosal Con	sideration	าร		
Waste Dispo	osal Method:	Dispose of content	ts/container in	accordance to	local, state ar	nd federal reg	gulations.
		14. Tra	ansport In	formatior	า		
	ISPORT (US DO	Т):					
DOT Pro	per Shipping Na	me: Compound cle	aning, Not Re	gulated			
DOT Haz UN/NA N	zard Class: lumber:			Packing Gr	oup:	III	
		15. Reg	gulatory lı	nformatio	n		
EPA SARA (S	Superfund Amend	ments and Reauthoriz	ation Act of 19	86) Lists			
CAS # 50-21-5	Hazardous Cor Lactic acid	nponents (Chemical N	Name) S. No	302 (EHS)	S. 304 RQ No	S. 31 : No	3 (TRI)
CAS #	Hazardous Cor	nponents (Chemical N	Name) Ot	her US EPA or	State Lists		
50-21-5	Lactic acid		, CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS:				No; MA

16. Other Information			
Revision Date:	01/20/2015		
Additional Information Abo	out Company's Disclaimer: While IBA belives this statement set forth herin are accurate as		
This Product:	of the date hereof, IBA makes no warranty with respect thereto and expressly disclaims all liability for reliance theron. Such data is offered solely for your consideration, investigation and verification.		
Company Policy or Disclaimer:			

No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

	1. Product and Com	pany Identification
Product Code:	162528	
Product Name:	4XLA Base	
Company Name:	IBA	Phone Number:
	27 Providence Rd.	1 (508)865-6911
	Millbury, MA 01527	
Emergency Contact:	Chemtrec	1 (800)424-9300
	2. Hazards Id	entification
Skin Corrosion/Irritation, Ca	ategory 3	
Aquatic Toxicity (Acute), Ca	ategory 3	
Aquatic Toxicity (Chronic),	Category 3	
GHS Signal Word:	Warning	
GHS Hazard Phrases:	Causes mild skin irritation.	
	Harmful to aquatic life.	
	Harmful to aquatic life with lor	ig lasting effects.
GHS Precaution Phrases:	Keep out of reach of children.	
	Read label before use.	
	Do not get in eyes, on skin, o	r on clothing.
	_	goggles, face shield and rubber apron.
	Wash hands thoroughly after	
	Avoid release to the environm	ent.
GHS Response Phrases:		with water for several minutes. Remove contact lenses, if
		nue rinsing for 15 minutes. Get medical advice/attention.
		h. Do NOT induce vomiting. Get immediate medical
	advice/attention.	
		ately all contaminated clothing and wash it before reuse.
	advice/attention.	15 minutes. If skin irritation occurs: Get medical
	Medical and Tranportation Em	nergencies contact Chemtrec 1-800-424-9300
GHS Storage and Disposal	Dispose of contents/container	in accordance to local, state and federal regulations.
Phrases:	Store locked up.	,,,,
Hazard Rating System:	HEALTH 2	
	FLAMMABILITY 0	
	PHYSICAL 0	
	PPE B	
HMIS:		

Potential Health Effects (Acute and Chronic):

3. Composition/Information on Ingredie				
CAS #	Hazardous Components (Chemical Name)	Concentration		
7758-19-2	Sodium chlorite	0.61 - 0.67 %		
1310-73-2	Sodium hydroxide	0.036 %		

	4. First Aid	Measures				
Emergency and First Aid Procedures:						
In Case of Skin Contact:		oid water for 15 minutes. Discard c euse. If skin irritation occurs: Get m	-			
In Case of Eye Contact:	Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Get medical advice/attention. Do not induce vomiting. Rinse mouth with fresh, Tepid water, than immediately drink 4-8					
In Case of Ingestion:	oz. or milk or water. Never give	e anything by mouth to an unconso open. Keep head lower than hips t	cious person. If			
	5. Fire Fightin	g Measures				
Flash Pt:	No data.					
Explosive Limits:	LEL: No data.	UEL: No data.				
Autoignition Pt:	No data.					
Suitable Extinguishing Media	Suitable Extinguishing Media: Dry chemical, CO2, sand, earth, water spray or regular foam.					
Fire Fighting Instructions:	-	ained breathing apparatus in press juivalent), and full protective gear.	sure-demand,			
Flammable Properties and Hazards:	No data available.					
	6. Accidental Rel	ease Measures				
Protective Precautions, Protective Equipment and Emergency Procedures:	Safety glasses, rubber or neo	prene gloves. Wear chemical prote	ective clothing.			
Steps To Be Taken In Case Material Is Released Or Spilled:	Absorb spill with inert material applicable regulations.	(e.g. dry sand or earth), and dispo	ose of in accordance with			
	7. Handling a	nd Storage				
Precautions To Be Taken in Handling:	For industrial or institutional us	e only.				
Precautions To Be Taken in Storing:	Store locked up. Keep from fre	ezing.				
8	B. Exposure Controls/	Personal Protection				
CAS # Partial Chemica	I Name OSHA TW	A ACGIH TWA	Other Limits			
7758-19-2 Sodium chlorite	No data.	No data.	No data.			

PEL: 2 mg/m3

CEIL: 2 mg/m3

1310-73-2

Sodium hydroxide

No data.

Respiratory Equipment	A respirator is not needed under normal and intended conditions of product use.			
(Specify Type):				
Eye Protection:	Safety glasses			
Protective Gloves:	Rubber or neoprene gloves			
Other Protective Clothing:	Wear chemical protective clothing.			
Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. In a well			
(Ventilation etc.):	ventilated area. Wash hands before breaks and at the end of workday.			
	9. Physical and Chemical Properties			
Physical States:	[]Gas [X]Liquid []Solid			
Appearance and Odor:	Appearance: Clear Colorless Liquid			
	Odor: No apparent odor.			
Melting Point:	No data.			
Boiling Point:	No data.			
Autoignition Pt:	No data.			
Flash Pt:	No data.			
Explosive Limits:	LEL: No data. UEL: No data.			
Specific Gravity (Water = 1):	1.00 - 1.02			
Vapor Pressure (vs. Air or	No data.			
mm Hg):				
Vapor Density (vs. Air = 1):	No data.			
Evaporation Rate:	No data.			
Solubility in Water:	100			
Viscosity:	1 - 2 cps.			
pH:	11.5 - 12.5			
Percent Volatile:	No data.			
	10. Stability and Reactivity			
Stability:	Unstable [] Stable [X]			
Conditions To Avoid -	Avoid handling conditions which may allow for leaks and spills of this material. Do not			
Instability:	permit personnel to handle this product without proper training and/or protective			
	equipment.			
Incompatibility - Materials To Avoid:	No data available.			
Hazardous Decomposition O	r No data available.			
Byproducts:				
Possibility of Hazardous	Will occur [] Will not occur [X]			
Reactions:				
Conditions To Avoid -	No data available.			
Hazardous Reactions:				

		11	. Toxicologi	cal Inforn	natio	on		
Toxicologica	I Information:	Inhalation,	Eye contact, Ski	n contact				
Irritation or Corrosion: Eyes: Cause		uses serious eye	irritation.					
SI		Skin: Cau	Skin: Causes skin irritation.					
	Ingestion: Can cause digestive trac pain.							
		Inhalation:	No known signifi	cant effects or	r critica	al hazards.		
Symptoms related toEyes:Redness, pain, irritation.ToxicologicalSkin:Redness, pain, irritationCharacteristics:Ingestion:Corrosion, Abdominal painInhalation:No symptoms known or expected.								
CAS #	Hazardous Con		• •		ТР	IARC	ACGIH	OSHA
7758-19-2	Sodium chlorite			n.	a.	3	n.a.	n.a.
1310-73-2	Sodium hydroxid	le		n.	a.	n.a.	n.a.	n.a.
		1	2. Ecologic	al Informa	ation			
General Ecol Information:	ogical	Harmful to	aquatic life.					
		13	. Disposal (Considera	ation	S		
Waste Dispos	sal Method:	Dispose of	f contents/contain	er in accorda	nce to	local, state an	d federal reg	gulations.
		1	I4. Transpo	rt Informa	ation			
DOT Prop	ard Class:	•	ound cleaning, No	ot Regulated				
		1	5. Regulato	ry Inform	atior	ו		
EPA SARA (Si	uperfund Amendr		eauthorization Act					
CAS # 7758-19-2	Hazardous Con Sodium chlorite	nponents (Ch	nemical Name)	S. 302 (EH S No	S)	S. 304 RQ No	S. 31 : No	3 (TRI)
1310-73-2	Sodium hydroxic	le		No		Yes 1000 LB	No	
CAS #	Hazardous Con	nponents (Ch	nemical Name)	Other US E	PA or S	State Lists		
7758-19-2 1310-73-2	Sodium chlorite	Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EF Yes - 1689; NY Part 597: No; PA HSL: Yes - 1; SC TAP: N WI Air: No		No; MA P: No; NJ EHS: ; SC TAP: No; : Yes - TAC, Title 8; NC TAP: No;				

16. Other Information					
Revision Date:	Revision Date: 01/20/2015				
Additional Information About This Product:	Company's Disclaimer: While IBA belives this statement set forth herin are accurate as of the date hereof, IBA makes no warranty with respect thereto and expressly disclaims all liability for reliance theron. Such data is offered solely for your consideration, investigation and verification.				

	1. Product and Con	npany Identification		
Product Code: Product Name: Company Name:	162626 5 Star Activator IBA 27 Providence Rd. Millbury, MA 01527	Phone Number: 1 (508)865-6911		
Emergency Contact:	Chemtrec	1 (800)424-9300		
	2. Hazards l	dentification		
Serious Eye Damage/Eye Irr	itation, Category 2B			
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases:	Warning Causes eye irritation. Keep out of reach of children Read label before use. Do not get in eyes, on skin, Wear rubber gloves, chemic			
GHS Response Phrases:	 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention. IF ON SKIN: Remove immediately all contaminated clothing and wash it before reuse. Wash with plenty of water for 15 minutes. If skin irritation occurs: Get medical advice/attention. 			
GHS Storage and Disposal Phrases:	•	mergencies contact Chemtrec 1-800-424-9300 er in accordance to local, state and federal regulations.		
Hazard Rating System:	HEALTH1FLAMMABILITY0PHYSICAL0			
HMIS:	PPE B			
Potential Health Effects (Acute and Chronic):				
3.	. Composition/Inform	nation on Ingredients		

CAS #	Hazardous Components (Chemical Name)	Concentration
50-21-5	Lactic acid	1.7 - 1.9 %

	4. Firs	t Aid Measur	es		
Emergency and First Aid					
Procedures:					
In Case of Skin Contact:	For ready-to-use prodadvice/attention.	ucts, wash any sens	sitive areas. If skin irritatio	on occurs, get medical	
In Case of Eye Contact:	Hold eyelids open to e side and irrigate the ev run-off from entering th seconds is essential to	Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Get medical advice/attention.			
In Case of Ingestion:	oz. or milk or water. N	lever give anything airways open. Keep	n fresh, Tepid water, than by mouth to an unconscio b head lower than hips to ediately.	ous person. If	
	5. Fire F	ighting Meas	ures		
Flash Pt:	No data.				
Explosive Limits:	LEL: No data.	UEL	: No data.		
Autoignition Pt:	No data.				
Suitable Extinguishing Media	a:Dry chemical, CO2, sa	and, earth, water sp	ray or regular foam.		
Fire Fighting Instructions:	•		hing apparatus in pressu and full protective gear.	re-demand,	
Flammable Properties and Hazards:	No data available.				
	6. Accident	al Release M	easures		
Protective Precautions, Protective Equipment and Emergency Procedures:	Safety glasses, rubbe	er or neoprene glove	es. Wear chemical protect	tive clothing.	
Steps To Be Taken In Case Material Is Released Or Spilled:	Absorb spill with inert applicable regulations		and or earth), and dispos	e of in accordance with	
	7. Hand	dling and Stor	rage		
Precautions To Be Taken in Handling:	For industrial or institu	itional use only.			
Precautions To Be Taken in Storing:	Store locked up. Keep	o from freezing. Stor	e away from incompatible	e substances	
8	. Exposure Cor	ntrols/Person	al Protection		
CAS # Partial Chemical	l Name C	SHA TWA	ACGIH TWA	Other Limits	

No data.

No data.

50-21-5

Lactic acid

No data.

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Descinctory Family month	A requirator is not peopled under permet and intended conditions of product use
Respiratory Equipment (Specify Type):	A respirator is not needed under normal and intended conditions of product use.
Eye Protection:	Safety glasses
Protective Gloves:	Rubber or neoprene gloves
Other Protective Clothing:	Wear chemical protective clothing.
Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. In a well
(Ventilation etc.):	ventilated area. Wash hands before breaks and at the end of workday.
	9. Physical and Chemical Properties
Physical States:	[]Gas [X]Liquid []Solid
Appearance and Odor:	Appearance: Dark Orange Liquid
	Odor: No apparent odor.
Melting Point:	No data.
Boiling Point:	No data.
Autoignition Pt:	No data.
Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data.
Specific Gravity (Water = 1):	1.00 - 1.03
Vapor Pressure (vs. Air or	No data.
mm Hg):	
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	100
Viscosity:	> 400 cps.
pH:	2.0 - 3.0
Percent Volatile:	No data.
	10. Stability and Reactivity
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Avoid handling conditions which may allow for leaks and spills of this material. Do not permit personnel to handle this product without proper training and/or protective equipment.
Incompatibility - Materials To	Avoid contact with alkalis and chlorine products. Avoid contact with materials such as
Avoid:	alumimum, tin, zinc, and alloys containing these materials
Hazardous Decomposition O Byproducts:	r No data available.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

		11. Toxicolog	ical Informat	ion		
Toxicologica	al Information:	Inhalation, Eye contact, Sk	in contact			
Irritation or	Corrosion:	Eyes: Causes eye irritatior	۱.			
		Skin: No known significant	effects or critical ha	azards.		
		Ingestion: No known signifi	cant effects or critic	al hazards.		
		Inhalation: No known signif	icant effects or criti	cal hazards.		
Symptoms r Toxicologica Characterist	al ics:	Ingestion: No symptoms k Inhalation: No symptoms	nown or expected.			
CAS #	Hazardous Cor	nponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
50-21-5	Lactic acid		n.a.	n.a.	n.a.	n.a.
		12. Ecologic	al Informatio	n		
General Eco Information:	-	This product has no known	ecotoxicological ef	fects.		
		13. Disposal	Consideratio	ns		
Waste Dispo	osal Method:	Dispose of contents/contain	ner in accordance t	o local, state ar	nd federal reg	gulations.
		14. Transpo	rt Informatio	n		
LAND TRAN	ISPORT (US DO	Т):				
	ard Class:	ame: Compound cleaning, N	ot Regulated			
		15. Regulato	ry Informatic	n		
EPA SARA (S	Superfund Amend	ments and Reauthorization Ac	t of 1986) Lists			
CAS #		nponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ		3 (TRI)
50-21-5	Lactic acid		No	No	No	
CAS #	Hazardous Cor	nponents (Chemical Name)	Other US EPA or	r State Lists		
50-21-5	Lactic acid		CAA HAP,ODC: Inventory; CA Pl			

Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

16. Other Information		
Revision Date:	01/20/2015	
Additional Information About This Product:	Company's Disclaimer: While IBA belives this statement set forth herin are accurate as of the date hereof, IBA makes no warranty with respect thereto and expressly disclaims all liability for reliance theron. Such data is offered solely for your consideration, investigation and verification.	

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	1 Product and Co	npany Identification		
Pre duct Oc de :				
Product Code:	162624			
Product Name:	5 Star Base IBA	Phone Number:		
Company Name:	27 Providence Rd.	1 (508)865-6911		
	Millbury, MA 01527			
Emergency Contact:	Chemtrec	1 (800)424-9300		
	2. Hazards	dentification		
Skin Corrosion/Irritation, Ca Aquatic Toxicity (Acute), Ca Aquatic Toxicity (Chronic), (tegory 3			
Aquatic Toxicity (Chronic), (Calegory 5			
GHS Signal Word:	Warning			
GHS Hazard Phrases:	Causes mild skin irritation.			
	Harmful to aquatic life.			
	Harmful to aquatic life with			
GHS Precaution Phrases:	Keep out of reach of children.			
	Read label before use.			
	Do not get in eyes, on skin, or on clothing. Wear rubber gloves, chemical goggles, face shield and rubber apron. Weah hands thereughly ofter handling.			
	Wash hands thoroughly after handling. Avoid release to the environment.			
GHS Response Phrases:	 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention. 			
	IF ON SKIN: Remove immediately all contaminated clothing and wash it before reuse. Wash with plenty of water for 15 minutes. If skin irritation occurs: Get medical advice/attention.			
	auvice/allerillon.			
	Medical and Tranportation I	Emergencies contact Chemtrec 1-800-424-9300		
GHS Storage and Disposal Phrases:	Dispose of contents/contair Store locked up.	er in accordance to local, state and federal regulations.		
Hazard Rating System:	HEALTH2FLAMMABILITY0PHYSICAL0			
HMIS:	PPE B			

Potential Health Effects (Acute and Chronic):

3. Composition/Information on Ingredier					
CAS #	Hazardous Components (Chemical Name)	Concentration			
7758-19-2	Sodium chlorite	0.61 - 0.67 %			
1310-73-2	Sodium hydroxide	0.036 %			

	4. First Aid Measures					
Emergency and First Aid Procedures:						
In Case of Skin Contact:	Flush thoroughly with fresh, tepid water for 15 minutes. Discard contaminated clothing and footwear or wash before reuse. If skin irritation occurs: Get medical advice/attention.					
In Case of Eye Contact:	Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Get medical advice/attention.					
In Case of Ingestion:	Do not induce vomiting. Rinse mouth with fresh, Tepid water, than immediately drink 4-8 oz. or milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs. Get medical attention immediately.					
	5. Fire	Fighting Meas	ures			
Flash Pt:	No data.					
Explosive Limits:	LEL: No data.	UEL	: No data.			
Autoignition Pt:	No data.					
Suitable Extinguishing Media	Suitable Extinguishing Media: Dry chemical, CO2, sand, earth, water spray or regular foam.					
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.					
Flammable Properties and Hazards:	No data available.					
	6. Accide	ental Release M	easures			
Protective Precautions, Protective Equipment and Emergency Procedures:	Safety glasses, ru	bber or neoprene glove	es. Wear chemical prote	ective clothing.		
Steps To Be Taken In Case Material Is Released Or Spilled:	Absorb spill with in applicable regulat		and or earth), and dispo	ose of in accordance with		
	7. Ha	Indling and Sto	rage			
Precautions To Be Taken in Handling:	For industrial or in	stitutional use only.				
Precautions To Be Taken in Storing:	Store locked up. K	eep from freezing.				
8	. Exposure C	ontrols/Person	al Protection			
CAS # Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits		

No data.

PEL: 2 mg/m3

No data.

CEIL: 2 mg/m3

Sodium chlorite

Sodium hydroxide

7758-19-2

1310-73-2

No data.

No data.

Respiratory Equipment	A respirator is not needed under normal and intended conditions of product use.			
(Specify Type):				
Eye Protection:	Safety glasses			
Protective Gloves:	Rubber or neoprene gloves			
Other Protective Clothing:	Wear chemical protective clothing.			
Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. In a well			
(Ventilation etc.):	ventilated area. Wash hands before breaks and at the end of workday.			
	9. Physical and Chemical Properties			
Physical States:	[]Gas [X]Liquid []Solid			
Appearance and Odor:	Appearance: Clear Colorless Liquid			
	Odor: No apparent odor.			
Melting Point:	No data.			
Boiling Point:	No data.			
Autoignition Pt:	No data.			
Flash Pt:	No data.			
Explosive Limits:	LEL: No data. UEL: No data.			
Specific Gravity (Water = 1):	1.00 - 1.03			
Vapor Pressure (vs. Air or	No data.			
mm Hg): Vener Deneity (ven Air = 4):	No deta			
Vapor Density (vs. Air = 1):	No data. No data.			
Evaporation Rate:	100			
Solubility in Water: pH:	11.5 - 12.5			
Percent Volatile:	No data.			
reicent volatile.				
	10. Stability and Reactivity			
Stability:	Unstable [] Stable [X]			
Conditions To Avoid - Instability:	Avoid handling conditions which may allow for leaks and spills of this material. Do not permit personnel to handle this product without proper training and/or protective equipment.			
Incompatibility - Materials To				
Avoid:				
Hazardous Decomposition O Byproducts:	r No data available.			
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]			
Conditions To Avoid - Hazardous Reactions:	No data available.			

		11.	. Toxicolog	ical Informati	on			
Toxicologica	I Information:	Inhalation,	Eye contact, Sk	in contact				
Irritation or Corrosion:		Eyes: Cau	uses eye irritation	٦.				
		Skin: Cau	uses skin irritatio	n.				
		Ingestion:	Ingestion: Can cause digestive trac pain.					
		Inhalation.	No known signit	icant effects or criti	al hazards			
Symptoms re	elated to	Eyes:	Redness, pain,					
Toxicologica		Skin:	Redness, pain,					
Characteristi	cs:	Ingestion: Corrosion, Abdominal pain						
040 #	Useradous Osa		Inhalation: No symptoms known or expected.				00114	
CAS # 7758-19-2	Hazardous Con Sodium chlorite	nponents (Ch	iemical Name)	NTP n.a.	IARC 3	ACGIH n.a.	OSHA	
1310-73-2	Sodium chlorite	de		n.a.	n.a.	n.a.	n.a. n.a.	
1010 10 2						n.a.	n.a.	
				al Informatio	n			
General Ecol	ogical	Harmful to	aquatic life.					
		13	. Disposal	Consideratio	ns			
Vaste Dispo	sal Method:	Dispose of	contents/contai	ner in accordance to	o local, state an	d federal re	gulations.	
		1	4. Transpo	ort Informatio	n			
AND TRAN	SPORT (US DO ⁻	T):						
	per Shipping Na	•	ound cleaning, N	ot Regulated				
DOT Haz	ard Class:			Packing Group:				
UN/NA N	umber:					III		
		1	5. Regulato	ory Informatio	n			
EPA SARA (S	uperfund Amendi	ments and Re	authorization Ac	t of 1986) Lists				
CAS #	Hazardous Con	nponents (Ch	emical Name)	S. 302 (EHS)	S. 304 RQ		3 (TRI)	
7758-19-2	Sodium chlorite			No	No	No		
1310-73-2	Sodium hydroxide		No	Yes 1000 LB	No			
CAS #			Other US EPA or State Lists					
7758-19-2 Sodium chlorite1310-73-2 Sodium hydroxide		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS Yes - 1689; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No WI Air: No CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -						
				Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 1706; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes				

16. Other Information			
Revision Date:	01/20/2015		
Additional Information About This Product:	Company's Disclaimer: While IBA belives this statement set forth herin are accurate as of the date hereof, IBA makes no warranty with respect thereto and expressly disclaims all liability for reliance theron. Such data is offered solely for your consideration, investigation and verification.		