Inno	vating Science	MATERIAL SAFETY DATA SHEET
	By Aldon Corporation 221 Rochester Street	"cutting edge science for the classroom"

	By Aldon Corporation
	221 Rochester Street
Yuut	Avon, New York 14414-9409
\\\\ _R	(585) 226-6177

MSDS No.: IS9008

·/// ₪ (5	85) 226-6177						
SECTIO		NAME		24 HOUF	REMERO	SENCY AS	SISTANCE
Product	Antiserum, Si	mulated, Anti-A			CHEM		
Chemical Synonyms	N/A				>	24-9300 He -226-6177 Fire	alth 1 e 0
Formula	Mixture.				y ,		activity 0
Unit Size	up to 3.785 L	t.		HAZARD	RATING		HMIS *
C.A.S. No.	Mixture.			MINIMAL 0	SLIGHT MOI	2 SERIO	US SEVERE
SECTIO	N II	INGREDIE		MIXTUR	ES		
Principal C	component(s)			%	TLV	Units
Sodi	um salicylate:	(CAS No. 54-21-7)			4.6%	None establ	ished.
Wate	er: (CAS No. 7	732-18-5)			95.4%	None establ	ished.
Brillia	ant blue FCF:	(CAS No. 3844-45-9)			< 1%	None establ	ished.
CAU	TION! MAY B	E HARMFUL IF SWAL	LOWED. MA	Y CAUSE I	RRITATION	TO SKIN AN	D EYES.
SECTIO	N III	PHYSICAL	DATA				
Melting Poin	t (°F)	Freezes approx. 0°C	(32°F)	Specific Gravity	(H ₂ O = 1)	Approx. 7	1.0
Boiling Point	t (°F)	Approx. 100°C (212°	F)	Percent Volatile by Volume (%)		95.4%	
Vapor Press	ure (mm Hg)	14 (water)		Evaporation Rate (Water =1)	e	Slightly le	ss than 1.
Vapor Densi	ity (Air=1)	0.7 (water)					
Solubility in	Water	Complete.					
Appearance		Clear, pale blue liquid					
SECTIO	N IV	FIRE AND			ZARD D	ATA Lower	Upper
Flash Point (Method Used)	Non-fla	ammable.	Flammable Li % by Volume		N/A	LOwei	Opper
Extinguisher Media	Use ar	ny media suitable for ext	inguishing su	pporting fire			
SPECIAL F PROCEDUR	irefightin Res	If involved i self-contain	n fire situatio ed breathing rly stages of f	apparatus.		-approved g amounts of	
UNUSUAL EXPLOSIOI	FIRE AND N HAZARDS	In fire condi	hazardous d			solution, whic o be produced	

SECTIO				HEAL	TH HAZAF		A		AAC)494
Threshold	l Limite	ed Va	alue	None established for this mixture. (ACGIH 2001). Sodium salicylate toxicity: LD50: 1600 mg/kg oral-rat.						
Effects of	Overe	xpos	sure	Specific data is not available. May be harmful by ingestion or inhalation. May cause irritation to skin and eyes. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Exercise appropriate procedures to minimize potential hazards. Target organs: Liver.						
Emergeno First Aid I		ures	;		TION: Call physic only if advised					
with water f	for at leas nove cont ention. <u>I</u>	st 15 n tamina NHAL	ninutes, ated clot ATION:	ous pers lifting u hing. F Remov	son. EYES: Che oper and lower e lush thoroughly v re to fresh air. If	eck for and yelids occa with mild so	remove cont sionally. Ge ap and wate	act lenses. t immediate r. If irritation	Flush t medica occurs	horoughly al attention. s, get
SECTIO	N VI			REA	CTIVITY DA	TA				
	Unstat	ble			nditions to A					
Stability	Stabl		Х				Excessive te	emperature to	o cause	e evaporation
Incompati (Materials		(bid	Stro	ong oxic	lizers.					
Hazardou: Decompo:	s		ucts		Decomposition m	ay produce	oxides of ca	arbon.		
Hazardous	Polyme	erizat	ion	Coi	nditions to A	Avoid				
May Occu	r W	/ill No	t Occur			-				
				_			Not applie	cable.		
SECTIO Steps to b	e take		case	SPIL			EDURES			
Steps to b	e take	n in (case or spil	SPIL led	Absorb spill suitable cont Do not allow	with an iner ainer for dis wash water	EDURES dry materia posal. Flus to pollute w	ll, sweep up a h spill area w vater ways ar	vith soand stream	ap and water ams.
Steps to b material is	oe take s releas	n in o sed o	case or spil	SPIL Ied	Absorb spill suitable cont	with an iner ainer for dis wash water	dry materia posal. Flus to pollute w	II, sweep up a h spill area w vater ways ar leral, State or L	vith soand strea	ap and water ams.
Steps to b material is	oe take s releas	n in o sed o	case or spil	SPIL led Discharge These dis Dispose	Absorb spill suitable cont Do not allow e, treatment, or disp	with an inerf ainer for dis wash water posal may be re intended fo	dry materia posal. Flus to pollute w subject to Fec r the disposal	II, sweep up a h spill area w vater ways ar leral, State or L of catalog-size	vith soand strea	ap and water ams. ws. ies only.
Steps to b material is	be take s releas	n in o sed o	case or spil	SPIL led Dischargg These dis Dispose disposa	Absorb spill suitable cont Do not allow e, treatment, or disp sposal guidelines an e of in an approve	with an iner ainer for dis wash water cosal may be re intended fo ed incinerate	dry materia posal. Flus to pollute w subject to Fec r the disposal pr or contrac	I, sweep up a h spill area w vater ways ar leral, State or L of catalog-size st with a licer	vith soand strea	ap and water ams. ws. ies only.
Steps to b material is Waste Dis SECTIO Respiration Pr	pe take s releas posal N VIII	n in o sed o Meth	case or spil	SPIL Ied Discharg These dis Dispose disposa SPE(eded in r	Absorb spill suitable cont Do not allow e, treatment, or disp sposal guidelines an e of in an approve I agency. CIAL PROT pormal laborator	with an inert ainer for dis wash water bosal may be re intended fo ed incinerate ECTION y handling.	dry materia posal. Flus to pollute w subject to Fed r the disposal or or contract INFOR If misty con-	II, sweep up a h spill area w vater ways ar leral, State or L of catalog-size t with a licen MATION ditions preva	vith soa nd strea Local law quantiti	ap and water ams. ws. ies only. aste
Steps to b material is Waste Dis SECTIO Respiration Pr (Specify Type)	posal sposal N VIII rotection	n in o sed o Meth	case or spil	SPIL Ied Discharg These dis Dispose disposa SPE(eded in r	Absorb spill v suitable cont Do not allow e, treatment, or disp sposal guidelines ar e of in an approve l agency. CIAL PROT hormal laboratorn pr wear a NIOSH Not required.	with an inert ainer for dis wash water bosal may be re intended fo ed incinerate ECTION y handling.	dry materia posal. Flus to pollute w subject to Fec r the disposal or or contract INFOR If misty con- roved respin	II, sweep up a h spill area w vater ways ar leral, State or L of catalog-size at with a licen MATION ditions preva rator. No.	vith soa nd strea Local law quantiti	ap and water ams. ws. ies only. aste
Steps to b material is Waste Dis SECTIO Respiration Pr (Specify Type) Ventilation	pe takes s releas posal rotection n Lor Me	n in o sed o Meth	case or spil	SPIL led Discharg These dis Dispose disposa SPE(eded in r n hood o	Absorb spill suitable cont Do not allow e, treatment, or disp sposal guidelines an of in an approve l agency. CIAL PROT normal laborator or wear a NIOSH	with an iner ainer for dis wash water bosal may be re intended fo ed incinerate ECTION y handling. //MSHA-app Specia Other	edry materia posal. Flus to pollute w subject to Fec r the disposal por or contract INFOR If misty con- roved respinal	II, sweep up a h spill area w vater ways ar leral, State or L of catalog-size at with a licen MATION ditions prevarator.	vith soa nd strea Local law quantiti	ap and water ams. ws. ies only. aste
Steps to b material is Waste Dis SECTIO Respiration Pr (Specify Type) Ventilation Protective	s releas posal NVIII rotection n Loo Me e Glove	n in o sed o Meth	case or spil	SPIL led Discharg These dis Dispose disposa SPE(eded in r n hood o	Absorb spill v suitable cont Do not allow e, treatment, or disp sposal guidelines ar of in an approve l agency. CIAL PROT hormal laboratorn or wear a NIOSH Not required.	with an inert ainer for dis wash water oosal may be re intended fo ed incinerate ECTION y handling. //MSHA-app Specia	edry materia posal. Flus to pollute w subject to Fec r the disposal por or contract INFOR If misty con- roved respinal	II, sweep up a h spill area w vater ways ar leral, State or L of catalog-size at with a licen MATION ditions preva rator. No.	vith soad ocal law quantiti nsed wa	ap and water ams. vs. les only. aste < in
Steps to b material is Waste Dis SECTIO Respiration Pr (Specify Type) Ventilation	s releas posal NVIII rotection n Loo Me e Glove	N in o sed o Meth N vo cal Exth chanic S	case or spil	Discharg These dis Dispose disposa SPEC ded in r n hood co ral) ubber.	Absorb spill v suitable cont Do not allow e, treatment, or disp sposal guidelines ar of in an approve l agency. CIAL PROT hormal laboratorn or wear a NIOSH Not required.	with an inert ainer for dis wash water oosal may be re intended fo ed incineration ECTION y handling. //MSHA-app Specia Other Eye Pro	edry materia posal. Flus to pollute w subject to Fec the disposal or or contract INFOR If misty con- proved respinal	I, sweep up a h spill area w vater ways ar leral, State or L of catalog-size at with a licen MATION ditions preva rator. No. No.	vith soad ocal law quantiti nsed wa	ap and water ams. vs. les only. aste < in
Steps to b material is Waste Dis SECTIO Respiration Pr (Specify Type) Ventilation Protective Other Protective	N VIII rotection n Loc Me e Glove	N in o sed o Meth N vo cal Exth chanic S	case or spil	SPIL led Dischargg These dis Dispose dispose dispose SPEC eded in r hood co rally ubber.	Absorb spill v suitable cont Do not allow e, treatment, or disp sposal guidelines ar of in an approve l agency. CIAL PROT hormal laborator or wear a NIOSH Not required. Not required.	with an iner ainer for dis wash water bosal may be re intended fo ed incinerate ECTION y handling. //MSHA-app Specia Other Eye Pro	edry materia posal. Flus to pollute w subject to Fec r the disposal or or contract INFOR If misty con- roved respiration of the tection er gloves.	I, sweep up a h spill area w vater ways ar leral, State or L of catalog-size at with a licen MATION ditions preva rator. No. No.	vith soad ocal law quantiti nsed wa	ap and water ams. vs. les only. aste < in
Steps to b material is Waste Dis SECTIO Respiration Pr (Specify Type) Ventilation Protective Other Protective Other Protective SECTIO Precautions in Handling	N VIII rotection N VIII rotection N Loc Me Glove V IX s to be Ti & Storir	N Meth N cal Exh chanic S Lab c aken Ng	case or spil	SPIL led Discharge These dis Dispose dispose dispose SPE(eded in r hood c ral) ubber. ggles, a SPE(Absorb spill i suitable cont Do not allow e, treatment, or diss sposal guidelines at e of in an approve l agency. CIAL PROT normal laborator pr wear a NIOSH Not required. Not required.	with an iner ainer for dis wash water bosal may be re intended fo ed incineration y handling. //MSHA-app y handling. //MSHA-app Specia Other Eye Pro station, prop	dry materia posal. Flus to pollute w subject to Fec r the disposal or or contract INFOR If misty con- roved respination of the the the the proved respination of the the the the proved respination of the the the the proved respination of the the the the the proved respination of the the the the the the proved respination of the the the the the the the the proved respination of the the the the the the the the the proved respination of the the the the the the the the proved respination of the	I, sweep up a h spill area w vater ways ar leral, State or L of catalog-size t with a licen MATION ditions preva rator. No. No. Chemical	vith soad ocal law quantiti nsed wa	ap and water ams. vs. les only. aste < in
Steps to b material is Waste Dis SECTIO Respiration Pr (Specify Type) Ventilation Protective Other Protective SECTIO Precautions in Handling Keep container tight	e takes s releas sposal n Loc n Loc Me e Glove re N IX s to be T & Storir ly closed whe	Meth Meth Va cal Exh chanic S Lab c aken og n not in U Read Ia	case or spil	SPIL Ied Dischargg These dis Dispose dispose dispose SPE(cided in r n hood c ral) ubber. ggles, a SPE(SPE(Store ir	Absorb spill a suitable cont Do not allow e, treatment, or disp sposal guidelines ar e of in an approve l agency. CIAL PROT Not required. Not required. Not required.	with an inert ainer for dis wash water boosal may be re intended fo ed incinerativ ECTION y handling. //MSHA-app Specia 0ther Eye Pro station, prop AUTION Vash thorou	a dry materia posal. Flus to pollute w subject to Fect r the disposal or or contract INFEOR If misty con- rroved respire to the contract Interstice to contract Interstice to contract Interstice Inte	I, sweep up a h spill area w rater ways ar leral, State or L of catalog-size at with a licen MATION ditions preva rator. No. Chemical andling.	vith soad ocal law quantiti nsed wa	ap and water ams. vs. les only. aste < in
Steps to b material is Waste Dis SECTIO Respiration Pr (Specify Type) Ventilation Protective Other Protective SECTIO Precautions in Handling Keep container tight	e takes s releas sposal n Loc n Loc Me e Glove re N IX s to be T & Storir ly closed whe	N in	Case or spil	SPIL Ied Discharge These dis Dispose dispose dispose dispose SPE(seded in r hood c rat) ubber. ggles, a SPE(Store ir ainer before only. Not for	Absorb spill y suitable cont Do not allow e, treatment, or disp sposal guidelines ar of in an approve l agency. CIAL PROT normal laborator or wear a NIOSH Not required. Not required. Not required.	with an inerf ainer for dis wash water boosal may be re intended fo ed incinerativ ECTION y handling. //MSHA-app specia Other Eye Pro station, prop AUTION Vash thorout ttact lenses when d use. Keep out	DURES dry materia posal. Flus to pollute w subject to Fec r the disposal or or contract IINFOR If misty con- roved respire drection er gloves. S ghly after ha working with cher of reach of childre	II, sweep up a h spill area w ater ways ar leral, State or L of catalog-size at with a licen MATION MO. No. Chemical andling.	vith soand stream ocal law quantiti nsed wa iil, work safety	ap and water ams. vs. les only. aste < in
Steps to b material is Waste Dis SECTIO Respiration Pr (Specify Type) Ventilation Protective Other Protective Other Protective SECTIO Precautions in Handling Keep container tight Other Preca	be takes s releas re s releas re re	Meth Meth Nu via cal Exh chanic S Lab c Avoid Avoid	Case or spil	SPIL Ied Dischargg These dis Dispose disposa SPEC disposa SPEC ral) ubber. ggles, al SPEC Store ir ainer before only. Not for t with sl	Absorb spill i suitable cont Do not allow e, treatment, or disp posal guidelines ar e of in an approve l agency. CIAL PROT Not required. Not required. Not required. Not required. Not required. Not required.	with an inert ainer for dis wash water boosal may be re intended fo ed incinerativ ECTION y handling. //MSHA-app Specia 0 other Eye Pro station, prop AUTION Vash thorou vash thorou	DURES dry materia posal. Flus to pollute w subject to Fec r the disposal or or contract INFOR If misty com- roved respin d	I, sweep up a h spill area w rater ways ar leral, State or L of catalog-size at with a licen MATION ditions preva rator. No. No. Chemical andling. ninated cloth Chemical	ing.	ap and water ams. vs. ies only. aste diasses.

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NON-REGULATED.

D.O.T.

Innovating	z Science IVIA		- Э АГ		DATA SHEET	SECTIC					A	A0495
By Aldon	Cornoration	science for the clas	ssroom"			Threshol	d Limited V		one established for thi	s mixture. (ACGIH	2001)	
Avon, Nev (585) 226-	v York 14414-9409 -6177			MSDS		Effects of	f Overexpo		IGESTION: Not gene itation may develop in			
SECTION I	NAME	24	4 HOUR	EMERO	SENCY ASSISTANCE			р	urging. <u>SKIN:</u> Effects ontact. EYES: Contact	minimal, but irritati	on may result from p	orolonged skin
	erum, Simulated, Anti-B		\wedge		Health 0				itate nose, throat and			<u>mor.</u> May
Chemical Synonyms N/A			800-424-9300 Health 0 Day 585-226-6177 Fire 0				Emergency and First Aid Procedures					telv. Induce
Formula Mixtur	re.		NFPA		Reactivity 0	anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush the					ver give	
Unit Size up to	3.785 Lt.		HAZARD R	ZARD RATING HMIS * with water for at least 15 minutes, lifting upper and lower eyelids occas						yelids occasionally.	. Get immediate med	dical attention.
C.A.S. No. Mixtu			MINIMAL SI 0	1	DERATE SERIOUS SEVERE	medical at	tention. INHAI	LATION: R	ng. Flush thoroughly v emove to fresh air. If			
SECTION II		ENTS OF MI	IXTURE				ve oxygen. Ge			- A		
Principal Compo	onent(s)			%	TLV Units	SECTIC	UN VI Unstable	R	EACTIVITY DA Conditions to A			
Sodium sulf	fate: (CAS No. 7757-82-6)			7.1%	None established.	Stability	Stable	x			ve temperature to ca	use evaporati
Water: (CA	S No. 7732-18-5)			92.9%	None established.	Incompation		Molte	n active metals, includ	ing aluminum and r	magnesium	
FD&C yello	w #5: (CAS No. 1934-21-0)			< 1%	None established.	(Material	s to Avoid)	Mone	I	ing aluminum anu i		
CAUTION!	MAY CAUSE IRRITATION.					Hazardou		duata	Decomposition m	ay produce oxides	of sulfur fumes.	
SECTION III	PHYSICA					· · · ·	sition Proc		Conditions to A	void		
Melting Point (°F)	Freezes approx. 0°0	0 (02 1)	ecific Gravity (H	l ₂ O = 1)	Approx. 1.0	May Occu	Polymeriza	ot Occur	Conditions to A		applicable.	
Boiling Point (°F)	Approx. 100°C (212	e°F) by	volume (%)		92.9%			х				
Vapor Pressure (m	nm Hg) 14 (water)		aporation Rate (Water =1)		Slightly less than 1.	SECTIC			PILL OR LEAK	PROCEDUR	ES	
Vapor Density (Air	=1) 0.7 (water)						be taken in s released		d That are			
Solubility in Water	Complete.						oreleased		1 10311 301	ution to sewer with Il area with soap ar		
Appearance & Odd												
SECTION IV Flash Point	FIRE AND	EXPLOSIC		ARD D	ATA Lower Upper	Waste Di	sposal Met	hod Dis	charge, treatment, or disp ese disposal guidelines ar	e intended for the disp	osal of catalog-size qua	ntities only.
(Method Used)	Non-flammable.	Flammable Limits % by Volume	ts in Air N/A	A				Di	ssolve in water and flu	sh to sewer with co	pious amounts of wa	ater.
Extinguisher Media	Use any media suitable for ex	tinguishing supp	oorting fire.			SECTIC	N VIII	S	PECIAL PROT	ECTION INFO	ORMATION	
SPECIAL FIREFIC						Respiration F (Specify Type	rotection	None neede	ed in normal laboratory lood or wear a NIOSH	handling. If misty	conditions prevail, w	ork in
PROCEDURES						Ventilatio	n Local Ex	chaust	Not required.	Special	No.	
		in fire situation, w ned breathing ap				Brotootiv		ical (General		Other	No.	
	water in ea	arly stages of fire.				Other Protectiv	ve		ber.	Eye Protectio	Chemical safe	ety glasses.
						Equipment	Lab	, 1	i, eye wash station, pr	1 8		
						SECTIO	DN IX s to be Taker		PECIAL PREC	AUTIONS		
JNUSUAL FIRE A	ARDS					in Handling		S	tore in a cool place. V	ash thoroughly afte	er handling.	
					solution, which o be produced as	Other Prec	For la	boratory use only	er before using. Do not wear con v. Not for drug, food or househol- vith skin and eyes. Re	d use. Keep out of reach of o	children.	
							AVU	na contact V	and eyes. Re		manimated clothing.	
						Revision N	lo. 1 Da	ite 01/01	/07 Approved	James A. Berts	sch Chemical Safet Coordinator	^{ty} JAB
D.O.T. NOM	N-REGULATED.					The information co	ntained herein is furnis	shed without war	anty of any kind. Employers sho	uld use this information only		mation gathered by

EALTH HAZARD DATA

AA0495

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials industrial Standards. Printed on recycled paper.

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Innova	ting Sci	ence M/	ATERIAL S	SAFET	Y DATA SHEI	ET SECTION	V	HEALTH HAZAR	D DATA	AA0496
	y Aldon Corporation 21 Rochester Stre	tion "cutting edge et	science for the classro			Threshold L	imited Value	None established for this	mixture. (ACGIH 2001)	
	von, New York 14 585) 226-6177	1414-9409		MSE	S No.: IS9008	Effects of O	verexposure			
SECTIO	NI	NAME	24 H		RGENCY ASSISTAN	ICE			ninimal, but irritation mag	y result from prolonged skin
Product	Antiserum, Si	mulated, Anti-Rh		🔿 сн				contact. EYES: Contact irritate nose, throat and lu		
Chemical Synonyms	N/A		<		-424-9300	Emergency			<u> </u>	
Formula	Mixture.			NFPA				vomiting only if advised by	y appropriate medical p	
Unit Size	up to 3.785 Lt	t.		IAZARD RATING	HMIS *	anything by m with water for		scious person. EYES: Check es, lifting upper and lower eye		
C.A.S. No.	Mixture.		м	INIMAL SLIGHT	MODERATE SERIOUS SEVE 2 3 4	<u></u>		clothing. Flush thoroughly wit N: Remove to fresh air. If no		
SECTIO	N II	INGREDIE	NTS OF MIX	TURES		difficult, give o	oxygen. Get medi	ical attention.		
Principal C	Component(s	s)		%	TLV Units	SECTION		REACTIVITY DAT		
Sodi	ium sulfate: (C	AS No. 7757-82-6)		7.1%	None established.		Instable Stable			perature to cause evaporati
Wate	er: (CAS No. 7	732-18-5)		92.9%	None established.	Incompatibi	ility	Nolten active metals, includin		
FD&	C Green # 3: (CAS No. 2353-45-9)		< 1%	None established.	(Materials to	o Avoid)		g aluminum and magne	
CAU	JTION! MAY C	AUSE IRRITATION.				Hazardous	lion Droducto	Decomposition may	v produce oxides of sulfu	ur fumes.
SECTIO		PHYSICA					tion Products		aid	
Melting Poin	nt (°F)	Freezes approx. 0°0	5 (52 1)	c Gravity ($H_2O = 1$) Approx. 1.0	May Occur	Will Not Oco	Conditions to Av	Not applical	ble.
Boiling Poin	. ,	Approx. 100°C (212	°F) by Volu	t Volatile ime (%) ation Rate	92.9%		Х			
•	sure (mm Hg)	14 (water)		ater =1)	Slightly less than 1.			SPILL OR LEAK F	PROCEDURES	
Vapor Dens	ity (Air=1)	0.7 (water)					taken in case eleased or sp	nillad	on to sewer with plenty	of water
Solubility in		Complete.					•		area with soap and wate	
Appearance		Clear, pale blue liqui				Weste Dian	anal Mathad	Discharge, treatment, or dispos	sal may be subject to Federa	al State or Local laws
SECTIO	N IV	FIRE AND	EXPLOSION Flammable Limits in		Lower Upper		osal Method	These disposal guidelines are i	intended for the disposal of	catalog-size quantities only.
(Method Used)	Non-fla	ammable.	% by Volume	N/A		_		Dissolve in water and flush	n to sewer with copious	amounts of water.
Extinguisher Media	Use ar	y media suitable for ex	tinguishing supporti	ng fire.		SECTION	VIII	SPECIAL PROTE	CTION INFORM	ATION
						Respiration Prote (Specify Type)	ection None r	needed in normal laboratory h tion hood or wear a NIOSH/N	andling. If misty condit	ions prevail. work in
PROCEDU	IREFIGHTIN					Ventilation	Local Exhaust	Not required.	Special	No.
			in fire situation, wea ned breathing appar				Mechanical (Ge			No.
		water in ea	arly stages of fire.		0	Protective O		Rubber .	Eye Protection	Chemical safety glasses.
						Equipment		apron, eye wash station, prop	5	
						SECTION Precautions to		SPECIAL PRECA	UTIONS	
UNUSUAL EXPLOSIO	FIRE AND N HAZARDS					in Handling & Keep container tightly cl	Storing	Store in a cool place. Wa	sh thoroughly after han	dling.
					his solution, which s to be produced as	Other Precaut		container before using. Do not wear contac use only. Not for drug, food or household u		als.
							Avoid cont	tact with skin and eyes. Rem	ove and wash contamir	nated clothing.
						Revision No.	1 Date	01/01/07 Approved	James A. Bertsch	Chemical Safety Coordinator JAB
D.O.T.	NON-REGU	LATED.						out warranty of any kind. Employers should of suitability and completeness of information	use this information only as a support	

s should use this information only as a supplement to other information gathered by formation from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

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Innovating Science[™] MATERIAL SAFETY DATA SHEET



"cutting edge science for the classroom"

MSDS No.: IS9008

SECTIO	NI	NAME		24 HOUF	REMERO	GENCY	ASSISTANCE			kno tho
Product	Crime Scen	е			CHEM	TREC				kidı
Chemical Synonyms	N/A			$ \langle \times \rangle$		24-9300 -226-6177	Health 1 Fire 0	Emergen		
Formula	Mixture.				^		Reactivity 0		Procedure	s von
Unit Size	up to 3.785	Lt.		HAZARD	RATING		HMIS *		y mouth to an u for at least 15	
C.A.S. No.	Mixture.			- MINIMAL 0	SLIGHT MOI	DERATE SI	ERIOUS SEVERE		move contamin tention. INHAL	
SECTIO	N II	INGREDI	ENTS OF	MIXTUR				difficult, giv	/e oxygen. Ge	et medical atte
Principal C	Component(s)			%	TL	_V Units	SECTIO		RE
Alumi	inum nitrate, no	nahydrate: (CAS No. 7	784-27-2)		15%	None e	stablished.	Stability	Unstable Stable	
Water	r: (CAS No. 7	732-18-5)			85%	None e	stablished.	Incompat		1
FD&C	C red #40: (CA	S No. 25956-17-6)			< 1%	None e	stablished.		s to Ávoid)	Alkalies
CAU	TION! MAY BE	HARMFUL IF SWAL	LOWED.					Hazardou		
SECTIO	N III	PHYSICA	L DATA					Decompo	sition Proc	lucts
Melting Poir	nt (°F)	Freezes below 0°C	(32°F)	Specific Gravity	$(H_2 O = 1)$	Appro	ox. 1.0		Polymeriza	tion (
Boiling Poin	t (°F)	Approx. 100°C (21)	2°F)	Percent Volatile by Volume (%)		97.87	7%	May Occu		X
Vapor Press	sure (mm Hg)	14 (water)		Evaporation Rat (Water =1)	e	< 1		SECTIO		SP
Vapor Dens	ity (Air=1)	0.7 (water)		,,					be taken in	
Solubility in	Water	Complete.						material	s released	or spilled
Appearance	e & Odor	Red liquid; no odor								
SECTIO	N IV	FIRE AND	EXPLOS	SION HA	ZARD D			Waste Dis	sposal Met	hod Disch
Flash Point (Method Used)) No	n-flammable.	Flammable L % by Volum			Lower	Upper			Disp
Extinguisher Media	Us	e any media suitable f	or extinguishin	g supporting	fire.			SECTIO		SP
	 IREFIGHTIN							Respiration P (Specify Type)	rotection N	None needed
PROCEDU	-	G						Ventilatio	n Local Ex	chaust
			ed in fire situa ed breathing a					Protective	Mechani	ical (General)
			ages of fire.	ppulutuo. ot	so nooding t			Other Protective	ve	Ru
								Equipment	Lab	coat, apron,
								SECTIO Precautions	IN IX s to be Taken	SP
UNUSUAL EXPLOSIO	FIRE AND N HAZARDS							in Handling	& Storing	Sto
			onditions, wate	er may evapo	orate from th	is solution	, which may		tly closed when not in	label on container b
		cause h	azardous deco Contact with co	omposition pr	roducts to b	e produceo	d as dust or	Other Preca	For lal	boratory use only.
		explosic							Ren	nove and was

SECTION V **HEALTH HAZARD DATA** BB0096 **Threshold Limited Value** None established by (ACGIH 2001). Toxicity: LD50: orl-rat 4.28 g/kg as aluminum nitrate. **Effects of Overexposure** May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Target organs: Liver, kidneys, blood. **Emergency and INGESTION:** Call physician or Poison Control Center immediately. Induce **First Aid Procedures** vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. SECTION VI **REACTIVITY DATA** Conditions to Avoid Unstable Excessive temperature Stability Stable to cause evaporation. Х Incompatibility Alkalies. (Materials to Avoid) Hazardous Thermal decomposition produces aluminum oxide, and nitrogen oxides. **Decomposition Products Hazardous Polymerization Conditions to Avoid** May Occur Will Not Occur Not applicable Х SPILL OR LEAK PROCEDURES SECTION VII Steps to be taken in case

Absorb with an inert dry material and place in an appropriate container for proper disposal. Wash spill area thoroughly with soap and water.

 Waste Disposal Method
 Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dispose of in accordance with Federal, State and Local regulations.

SECTION V	/111	SP	ECIAL PROT	ECTIO	NINFOR	MATION	
Respiration Protect (Specify Type)			in normal laboratory od or wear a NIOSH			ditions prevail, work in rator.	
Ventilation	Local Ex	haust	Not required.	Spec	ial	No.	
Ventilation	Mechani	cal (General)	Not required.	Othe	r	No.	
Protective Gloves		Ru	ıbber.	Eye Pr	otection	Chemical safety goggles.	
Other Protective Equipment	Lab	coat, apron,	eye wash station, p	roper glove	es.		
SECTION I	X	SP	SPECIAL PRECAUTIONS				
Precautions to b in Handling & St Keep container tightly close	oring	Sto	Store in a cool place. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.				
Keep container tightiy close	a when not in	use. the	roughly after haridin	·g.			
Other Precautio			pefore using. Do not wear cor Not for drug, food or househol				

Remove and wash contaminated clothing.

I	Revision No.	4	Date	01/01/07	Approved	James A. Bertsch	Chemical Safety Coordinator	JAB

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Innovating ScienceTM MATERIAL SAFETY DATA SHEET Bv Aldon Corporation



"cutting edge science for the classroom"

MSDS No.: IS9008

SECTIO	N I	NAME		24 HOUF		BENCY	ASSISTANCE
Product	Suspect # 1				CHEM	TREC	
Chemical Synonyms	N/A				>	24-9300 -226-6177	Health 1 Fire 0
Formula	Mixture.				۵		Reactivity 0
Unit Size	up to 3.785	Lt.		HAZARD	RATING		HMIS'*
C.A.S. No.	Mixture.			MINIMAL 0	SLIGHT MOD	2	SERIOUS SEVERE
SECTIO	N II	INGREDIE	NTS OF I	MIXTURI			
Principal (Component(s)			%	Т	LV Units
Alum	inum nitrate, no	nahydrate: (CAS No. 77	84-27-2)		15%	None e	established.
Wate	r: (CAS No. 77	/32-18-5)			85%	None e	established.
FD&C	C red #40: (CA	S No. 25956-17-6)			< 1%	None e	established.
CAU	TION! MAY BE	HARMFUL IF SWALL	OWED.				
SECTIO	N III	PHYSICAL	DATA				
Melting Poir	nt (°F)	Freezes below 0°C	(32°F)	Specific Gravity	(H ₂ O = 1)	Аррі	rox. 1.0
Boiling Poir	nt (°F)	Approx. 100°C (212°	°F)	Percent Volatile by Volume (%)		97.8	7%
Vapor Pres	sure (mm Hg)	14 (water)		Evaporation Rate (Water =1)	e	< 1	
Vapor Dens	sity (Air=1)	0.7 (water)					
Solubility in	Water	Complete.					
Appearance		Red liquid; no odor.					
SECTIO	N IV	FIRE AND			ZARD D	ATA Lower	Upper
Flash Point (Method Used) Noi	n-flammable.	Flammable Li % by Volume			Lower	Opper
Extinguisher Media	Us	e any media suitable for	extinguishing	g supporting	fire.		
SPECIAL F PROCEDU	IREFIGHTIN RES						
			d in fire situat I breathing ap Jes of fire.				
UNUSUAL EXPLOSIO	FIRE AND N HAZARDS		ditiona wata	r mov ovono	roto from th	is solution	, which may
		cause haz	iditions, wate zardous deco intact with col	mposition pr	oducts to be	e produce	d as dust or

SECTION V **HEALTH HAZARD DATA** BB0096 **Threshold Limited Value** None established by (ACGIH 2001). Toxicity: LD50: orl-rat 4.28 g/kg as aluminum nitrate. Effects of Overexposure May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Target organs: Liver, kidneys, blood. Emergency and **INGESTION:** Call physician or Poison Control Center immediately. Induce **First Aid Procedures** vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. SECTION VI **REACTIVITY DATA** Conditions to Avoid Unstable Excessive temperature Stability Stable to cause evaporation. Х Incompatibility Alkalies. (Materials to Avoid) Hazardous Thermal decomposition produces aluminum oxide, and nitrogen oxides. **Decomposition Products Hazardous Polymerization** Conditions to Avoid May Occur Will Not Occur Not applicable Х SPILL OR LEAK PROCEDURES SECTION VII Steps to be taken in case Absorb with an inert dry material and place in an appropriate material is released or spilled container for proper disposal. Wash spill area thoroughly with soap and water. Discharge, treatment, or disposal may be subject to Federal, State or Local laws. Waste Disposal Method These disposal guidelines are intended for the disposal of catalog-size guantities only. Dispose of in accordance with Federal, State and Local regulations. SECTION VIII SPECIAL PROTECTION INFORMATION None needed in normal laboratory handling. If misty conditions prevail, work in **Respiration Protection** ventilation hood or wear a NIOSH/MSHA-approved respirator. (Specify Type) Local Exhaust Not required Special No. Ventilation Mechanical (General) Not required Other No. **Protective Gloves** Eye Protection Rubber. Chemical safety goggles. Other Protective Lab coat, apron, eye wash station, proper gloves. Equipment SECTION IX SPECIAL PRECAUTIONS Precautions to be Taken in Handling & Storing Store in a cool place. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep container tightly closed when not in use. Read label on container before using. Do not wear contact lenses when working with chemicals. Other Precautions or laboratory use only. Not for drug, food or household use. Keep out of reach of children Remove and wash contaminated clothing. Chemical Safet Revision No. Date 01/01/07 Approved JAB 4 James A. Bertsch

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Coordinator

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Innovating Science [™]	MATERIAL SAFETY DATA SHEET
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	y Aldon Corpora 21 Rochester Stre von, New York 1 585) 226-6177	et	ting edge science for th	e classroom"	MSDS	No.: IS	9008		
SECTIO	NI	NAM	E	24 HOU	REMERG		SSIST	ANCE	
Product	Suspect # 2				CHEM	TREC [1	
Chemical Synonyms	N/A			800-424-9300 Health Day 585-226-6177 Fire NFPA Reactivity					
Formula	Mixture.								
Unit Size	up to 3.785 l	_t.			A D RATING	L	HMIS	; *	
C.A.S. No.	Mixture.			MINIMAL 0	SLIGHT MOD	DERATE SE	RIOUS SI 3	evere 4	
SECTIO	N II	ING	REDIENTS OF	MIXTUR	ES				
Principal C	Component(s)			%	TL	V Units		
Calci	um chloride, ar	hydrous: (CAS	S No. 10043-52-4)		4.5%	None es	stablished	-	
Wate	r: (CAS No. 77	32-18-5)			95.5%	None es	stablished	-	
FD&C	C red # 40: (CA	S No. 25956-1	7-6)		< 1%	None es	stablished		
CAU	TION! MAY BI	E HARMFUL IF	SWALLOWED. M	AY CAUSE IF	RITATION	TO SKIN A	ND EYES	5.	
SECTIO	N III	PHY	SICAL DATA						
Melting Poir	nt (°F)	Freezes @ a	approx. 0°C (32°F)	Specific Gravity	. 2	Approx	. 1.0		
Boiling Poin	t (°F)	Approx. 100	°C (212°F)	Percent Volatile by Volume (%)		95.5%			
Vapor Press	sure (mm Hg)	14 (water)		Evaporation Ra (Water =1)		Slightly	< 1		
Vapor Dens	ity (Air=1)	0.7 (water)							
Solubility in	Water	Complete.							
Appearance	& Odor	Red liquid; r	io odor.						
SECTIO	N IV	FIRE	AND EXPLO	SION HA	ZARD D				
Flash Point (Method Used)	Non-co	mbustible.	Flammable % by Volu	Limits in Air me	л/А	Lower	Up	per	
Extinguisher Media	Use an	/ media suitabl	e for extinguishing s	upporting fire.	•				
SPECIAL F PROCEDUI	IREFIGHTIN RES	G							

In fire conditions, wear a NIOSH/MSHA-approved, self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND **EXPLOSION HAZARDS**

In fire conditions, water may evaporate from this solution, which may cause hazardous decomposition products to be produced as dust or fume.

SECTION V **Threshold Limited Value**

HEALTH HAZARD DATA

None established for this mixture.

Effects of Overexposure

May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards. Target organs: None known.

Emergency and First Aid Procedures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTIO		D	EACTIVITY DA	ТА				
	Unstable		Conditions to A					
Stability	Stable	X		EXOC	ssive temperature and heat to evaporation.			
•		×		caus				
Incompat (Materials			ic acids, corrosive to s metals. Contact wi		as brass, mild steel, aluminum, heat.			
Hazardou Decompo		oducts	Does not decompose.					
Hazardous	Polymeriz	ation	Conditions to Avoid					
May Occu	r Will	Not Occur			applicable			
		Х		NUL	applicable.			
SECTIO	N VII	S	PILL OR LEAK	PROCEDUR	ES			
Steps to k material is			d Absorb with an inert dry material, sweep up and place in a suitable container for disposal. Wash spill area with soap and water.					
Waste Dis	N VIII	The Dis	ese disposal guidelines a ssolve in water and flu PECIAL PROT	re intended for the disp ush to sewer with co ECTION INFO	 Federal, State or Local laws. loosal of catalog-size quantities only. opious amounts of water. DRMATION g. If misty conditions prevail, work in 			
(Specify Type)			ood or wear a NIOSH					
Ventilatio	n Local I	Exhaust	None needed.	Special	No.			
	Mecha	nical (General)	None needed.	Other	No.			
Protective	Gloves	F	lubber.	Eye Protection	Chemical safety glasses.			
Other Protective Equipment Safety goggles, smock, apron, eye wash station, proper gloves, ventilation hood.								
SECTIO Precautions in Handling Keep container tight Other Preca	to be Take & Storing ly closed when not utions Rea For	en St t in use. W ad label on containe laboratory use only void contact v	PECIAL PREC ore in a cool, dry plac ash thoroughly after l r before using. Do not wear coo . Not for drug, food or househo vith skin and eyes. ash contaminated clo	28. nandling. ntact lenses when working wi Id use. Keep out of reach of	th chemicals. children.			

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Innovating Science	MATERIAL SAFETY DATA SHEET
By Aldon Corporation	"

H		By Aldon Corporation				
		221 Rochester Street				
	Y.	Avon, New York 14414-9409				
	////	@ (505) 226 6177				

"cutting edge science for the classroom"

MSDS No.: IS9008

® (5	85) 226-6177								
SECTIO		NAME		24 HOUF	REMERG		SSIST	ANCE	
Product	Victim			CHEM	TREC				
Chemical Synonyms	N/A			<u>800-424-9300</u> Health				1	
Formula								<u> </u>	
Unit Size	up to 3.785 l	t.		- NFP	A RATING	L	HMIS		
C.A.S. No.	Mixture.			MINIMAL 0	SLIGHT MOD	erate seri		EVERE	
SECTIO	N II	INGREDI	ENTS OF	MIXTUR	ES				
Principal C	omponent(s)			%	ΤLV	/ Units		
Sodiu	m azide: (CAS	S No. 26628-22-8)			.02%	None established.			
Water	: (CAS No. 77	'32-18-5)			99.98%	None established.			
FD&C	red # 40: (CA	AS No. 25956-17-6)			< 1%	None est	ablished		
CAUT	ION! MAY BE	E HARMFUL IF SWAI	LLOWED. MA	Y CAUSE IR	RITATION	TO SKIN AN	ID EYES	j.	
SECTIO	N III	PHYSICA	L DATA						
Melting Poin	t (°F)	Freezes @ approx.	Freezes @ approx. 0°C (32°F) Spi			Approx. 1.0			
Boiling Point	: (°F)	Approx. 100°C (212	Approx. 100°C (212°F)			99.98%			
Vapor Press	ure (mm Hg)	14 (water)	14 (water)		Evaporation Rate (Water =1)		Slightly < 1		
Vapor Densi	ty (Air=1)	0.7 (water)	0.7 (water)						
Solubility in V	Water	Complete.	Complete.						
Appearance	& Odor	Red liquid; no odor	•						
SECTIO	N IV	FIRE ANI			ZARD D		L la a		
Flash Point (Method Used)	Non-co	mbustible.	Flammable L % by Volume		I/A	Lower	Upp	ber	
Extinguisher Media									
SPECIAL FI PROCEDUF	REFIGHTIN	In fire co	onditions, wear Ig apparatus an			ed, self-cont	ained		
UNUSUAL I EXPLOSION	FIRE AND	In fire co may cau	onditions, water ise hazardous (or fume.						

SECTION V **Threshold Limited Value**

HEALTH HAZARD DATA

None established for this mixture.

Effects of Overexposure May be harmful by ingestion. May cause irritation to skin and eyes. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards. Target organs: Respiratory system, heart.

BB0099

Emergency and First Aid Procedures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is

aifficult, giv	/e oxyge	en. Ge	t medical at	tentior	۱.					
SECTIO	N VI		R	EAC	TIVITY DA	TA				
	Unst	able		Conditions to Avoid			. .	Excessive temperature and heat to		
Stability	Sta		Х					cause evap		
Incompat (Materials			Acids	, meta	ls, oxidizers.					
Hazardous Decomposition Products			Oxides of nitrogen and sodium.							
Hazardous	Polyn	neriza	tion	Con	ditions to A	٩vo	id			
May Occu	ır	Will N	ot Occur					Not applica	hle	
			Х	Not applicable.						
SECTIO	N VII		S	PILL	OR LEAK	P	ROCED	URES		
	Steps to be taken in case material is released or spilled Absorb with an inert dry material, sweep up and place in a suitable container for disposal. Wash spill area with soap and water.									
SECTIO Respiration P			SI	PEC	IAL PROT	EC	TION II	NFORM	cal regulations. ATION isty conditions prevail, work in	
(Specify Type)				ood or	wear a NIOSH	/MS				
Ventilatio	n ⊢	ocal Ex		-	Recommended. Special			No.		
		lechanical (General)			Recommended.		Other		No.	
Protective	e Glov	/es	R	Rubber.		Ey	Eye Protection		Chemical safety glasses.	
Other Protecti Equipment	-	Safe	, , , , , , , , , , , , , , , , , , , ,					per gloves	, ventilation hood.	
SECTIO Precautions in Handling Keep container tigh	s to be & Sto	ring	۱ St		a cool place. V			y after han	dling.	
Other Preca	autions				ising. Do not wear cor drug, food or househol				als.	
Devision N		Avo	id contact w	rith ski	n and eyes. Re		ve and was	sh contamir	Chamical Sofaty	
Revision N	lo. 1	Da	te 01/01/	07	Approved		James A.	Bertsch	Coordinator JAB	

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