

Page: 1 of 8 Printed: 12/29/2016 Revision: 12/29/2016

Supersedes Revision: 10/06/2016

Product Code:	1. Product and Company Ide	nuncation	
9 Anter-Anter Anter-Anter Anter-Anter Anter-A	0003570.02		
Product Name:	Rapid Fluorescent Decolorizer/ Counterstain		
Company Name:	Alpha-Tec Systems, Inc.	Phone Number:	
	1311 SE Cardinal Ct Suite 170	1 (360)260-2779	
	Vancouver, WA 98683		
Web site address:	Alphatecsystems.com		
Email address:	Regulatory@Alphatecsystems.com		
Emergency Contact:	INFOTRAC International	00 1 (252)222 2500	
Information:	North America	00-1- (352)323-3500 1 (800)535-5053	
Intended Use:	For Laboratory Use Only		
Product List	N/A Single Product Code.		
	-		
	2. Hazards Identificati	on	
Flammable Liquids, Categor	y 2		
Skin Corrosion/Irritation, Ca	-		
	ity (single exposure), Category 1		
A	••••••••••••••••••••••••••••••••••••••		
< 😗 > 🛛 <			
GHS Signal Word:	Danger		
GHS Hazard Phrases:	H225 - Highly flammable liquid and vapor. H316 - Causes mild skin irritation.		
	H370 - Causes damage to organs		
GHS Precaution Phrases:			
GHS Precaution Phrases:	P233 - Keep container tightly closed. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking.		
		ames/hot surfaces - No smoking	
	P210 - Keep away from heat/sparks/open fl	0	
	P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl	othing/eye protection/face protection.	
	P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin	othing/eye protection/face protection. g equipment.	
	P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl	othing/eye protection/face protection. g equipment. ating/lighting// equipment.	
	P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila	othing/eye protection/face protection. g equipment. ating/lighting// equipment.	
	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge.	
	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handling 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. vapors/spray. ng.	
	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. vapors/spray. ng.	
GHS Response Phrases:	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Ren 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. vapors/spray. ng. ng this product.	
	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Renclothing. Rinse skin with water/shower. 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. rapors/spray. ng. ng this product. nove/take off immediately all contaminated	
	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Ren 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. rapors/spray. ng. ng this product. nove/take off immediately all contaminated	
GHS Response Phrases: GHS Storage and Disposal	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Ren clothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get med P403+235 - Store in cool/well-ventilated plate 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. vapors/spray. ng. ng this product. nove/take off immediately all contaminated lical advice/attention.	
	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Renclothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get mediation 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. vapors/spray. ng. ng this product. nove/take off immediately all contaminated lical advice/attention.	
GHS Response Phrases: GHS Storage and Disposal Phrases:	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Ren clothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get med P405 - Store locked up. Though a single exposure may cause no effective of the start of	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. vapors/spray. ng. ng this product. nove/take off immediately all contaminated lical advice/attention. ce.	
GHS Response Phrases: GHS Storage and Disposal Phrases: Potential Health Effects	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Renclothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get med P403+235 - Store in cool/well-ventilated plat P405 - Store locked up. 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. vapors/spray. ng. ng this product. nove/take off immediately all contaminated lical advice/attention. ce.	
GHS Response Phrases: GHS Storage and Disposal Phrases: Potential Health Effects	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Renclothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get med P405 - Store locked up. Though a single exposure may cause no effact 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. vapors/spray. ng. ng this product. nove/take off immediately all contaminated lical advice/attention. ce.	
GHS Response Phrases: GHS Storage and Disposal	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Ren clothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get med P405 - Store locked up. Though a single exposure may cause no effective of the start of	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. vapors/spray. ng. ng this product. nove/take off immediately all contaminated lical advice/attention. ce.	
GHS Response Phrases: GHS Storage and Disposal Phrases: Potential Health Effects	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Renclothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get mean P403+235 - Store in cool/well-ventilated plan P405 - Store locked up. Though a single exposure may cause no effect accumulation of a harmful amount. Prolonged or repeated skin contact may cause 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. rapors/spray. ng. ng this product. nove/take off immediately all contaminated lical advice/attention. ce. fect, daily exposures may result in the	
GHS Response Phrases: GHS Storage and Disposal Phrases: Potential Health Effects	 P210 - Keep away from heat/sparks/open fl P280 - Wear protective gloves/protective cl P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Renclothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get med P405 - Store locked up. Though a single exposure may cause no effact 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. rapors/spray. ng. ng this product. nove/take off immediately all contaminated lical advice/attention. ce. Fect, daily exposures may result in the use defatting and dermatitis. nd teratogenicity in mice exposed by	
GHS Response Phrases: GHS Storage and Disposal Phrases: Potential Health Effects	 P210 - Keep away from heat/sparks/open fil P280 - Wear protective gloves/protective cli P240 - Ground/bond container and receivin P241 - Use explosion-proof electrical/ventila P243 - Take precautionary measures again P242 - Use only non-sparking tools. P260 - Do not breathe dust/fume/gas/mist/v P264 - Wash hands thoroughly after handlin P270 - Do not eat, drink or smoke when usi P303+361+353 - IF ON SKIN (or hair): Rem clothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get med P403+235 - Store in cool/well-ventilated plat P405 - Store locked up. Though a single exposure may cause no effaaccumulation of a harmful amount. Prolonged or repeated skin contact may cause Methanol has produced fetotoxicity in rats a 	othing/eye protection/face protection. g equipment. ating/lighting// equipment. st static discharge. rapors/spray. ng. ng this product. nove/take off immediately all contaminated lical advice/attention. ce. fect, daily exposures may result in the use defatting and dermatitis. nd teratogenicity in mice exposed by t produce significant maternal toxicity.	



	Supersedes Revision: 10/06/2016
	mutagenic effects. Animal studies have reported the development of tumors. Prolonged
	exposure may cause liver, kidney, and heart damage. Chronic exposure may cause
	effects similar to those of acute exposure. Because of this slow elimination, methanol
	should be regarded as a cumulative poison.
Inhalation:	Inhalation of high concentrations may cause central nervous system effects characterized
	by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract
	irritation. May cause narcotic effects in high concentration. Vapors may cause dizziness
	or suffocation. Methanol is toxic and can very readily form extremely high vapor
	concentrations at room temperature. Inhalation is the most common route of occupational
	exposure. At first, methanol causes CNS depression with nausea, headache, vomiting,
	dizziness and incoordination. A time period with no obvious symptoms follows (typically
	8-24 hrs). This latent period is followed by metabolic acidosis and severe visual effects
	which may include reduced reactivity and/or increased sensitivity to light, blurred, doubl
	and/or snowy vision, and blindness. Depending on the severity of exposure and the
	promptness of treatment, survivors may recover completely or may have permanent
	blindness, vision disturbances and/or nervous system effects.
Skin Contact:	Causes moderate skin irritation. May cause cyanosis of the extremities. May be absorbed
	through the skin in harmful amounts. Prolonged and/or repeated contact may cause
	defatting of the skin and dermatitis. Methanol can be absorbed through the skin,
	producing systemic effects that include visual disturbances. May cause irritation with pain
	and stinging, especially if the skin is abraded. Dermal absorption has been considered
	toxicologically insignificant. The cases of deep coma associated with skin contact are
	thought to be a consequence of gross isopropanol vapor inhalation in rooms with
	inadequate ventilation, rather than being attributable to percutaneous absorption of
	isopropanol per se.
Eye Contact:	Causes severe eye irritation. May cause painful sensitization to light. May cause chemical
-	conjunctivitis and corneal damage. Methanol is a mild to moderate eye irritant. Inhalation,
	ingestion or skin absorption of methanol can cause significant disturbances in vision,
	including blindness. Produces irritation, characterized by a burning sensation, redness,
	tearing, inflammation, and possible corneal injury. In the eyes of a rabbit, 0.1 ml of a
	rabbit, 0.1 ml of a rabbit, 0.1 ml of 70% isopropyl alcohol caused conjunctivitis, isopropyl
	alcohol caused conjun ctivitis, iritis, and corneal opacity.
Ingestion:	May cause systemic toxicity with acidosis. May cause central nervous system depression,
_	characterized by excitement, followed by headache, dizziness, drowsiness, and nausea.
	Advanced stages may cause collapse, unconsciousness, coma and possible death due
	to respiratory failure. May be fatal or cause blindness if swallowed. Aspiration hazard.
	May cause cardiopulmonary system effects. Causes gastrointestinal irritation with
	nausea, vomiting and diarrhea. May cause kidney damage. Aspiration of material into the
	lungs may cause chemical pneumonitis, which may be fatal. The probable oral lethal
	dose in humans is 240 ml (2696 mg/kg), but ingestion of only 20 ml (224 mg/kg) has, but
	in gestion of only 20 ml (224 mg/kg) has caused poisoning.

3. Composition/Information on Ingredients			
CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
64-17-5	Ethyl alcohol {Ethanol}	40.0 -70.0 %	KQ6300000
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	1.0 -4.5 %	PC1400000
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	1.0 -4.5 %	NT8050000



Revision: 12/29/2016 Supersedes Revision: 10/06/2016

In Case of Skin Contact: Wash clo removing contact, fl medical a In Case of Eye Contact: Get media immediate In Case of Ingestion: If conscio anything B medical a Note to Physician: Treat sym kidney, cf may be at Antidote: Ethanol m Hemodial Flash Pt: 11.70 C (Explosive Limits: LEL: No Autoignition Pt: > 350.00 Suitable Extinguishing Media: For small For large Do NOT a dry sand, well after Fire Fighting Instructions: Replace f pressure- Vapors m and flash mixtures a container: highly tox may be in water. Va Vapors ca liquid and Flammable Properties and Hazards:		Supersedes Revision: 10/06/2016		
Procedures: In Case of Inhalation: Remove for oxygen. C In Case of Skin Contact: Wash clover removing contact, fit medical at In Case of Eye Contact: Get media immediate In Case of Ingestion: If conscionally medical at Note to Physician: Treat sym- kidney, ch may be at Antidote: Ethanol m Hemodiat Flash Pt: 11.70 C (Explosive Limits: LEL: Noi Autoignition Pt: 3350.00 Suitable Extinguishing Media: For small For large Do NOT or dry sand, well after Fire Fighting Instructions: Replace for pressure- Vapors m and flash mixtures at container: highly tox may be in water. Va Vapors ca liquid and Flammable Properties and Hazardous Combustion No data at Hazardous Combustion No data at Participation Participation No data at Participation Participation No data at Participation Participation Participation Participation Participation Parti	-	MW4025000		
Procedures: In Case of Inhalation: Remove for oxygen. C In Case of Skin Contact: Wash clover removing contact, fit medical at In Case of Eye Contact: Get media immediate In Case of Ingestion: If conscionally medical at Note to Physician: Treat sym- kidney, ch may be at Antidote: Ethanol m Hemodiat Flash Pt: 11.70 C (Explosive Limits: LEL: Noi Autoignition Pt: 3350.00 Suitable Extinguishing Media: For small For large Do NOT or dry sand, well after Fire Fighting Instructions: Replace for pressure- Vapors m and flash mixtures at container: highly tox may be in water. Va Vapors ca liquid and Flammable Properties and Hazardous Combustion No data at Hazardous Combustion No data at Participation Participation No data at Participation Participation No data at Participation Participation Participation Participation Participation Parti	4. First Aid Measu	res		
In Case of Skin Contact: Wash clo removing contact, fl medical a In Case of Eye Contact: Get media immediate In Case of Ingestion: If conscio anything B medical a Note to Physician: Treat sym kidney, cf may be ai Antidote: Ethanol m Hemodial Flash Pt: 11.70 C (E Explosive Limits: LEL: No Autoignition Pt: > 350.00 Suitable Extinguishing Media: For small For large Do NOT of dry sand, well after Fire Fighting Instructions: Replace f pressure- Vapors m and flash mixtures a containers highly tox may be in water. Va Vapors ca liquid and Flammable Properties and Hazards: Hazardous Combustion No data a				
removing contact, fi medical a In Case of Eye Contact: Get media immediate In Case of Ingestion: If conscio anything fi medical a Note to Physician: Treat sym kidney, cf may be a Antidote: Ethanol m Hemodial Flash Pt: 11.70 C (Explosive Limits: LEL: No Autoignition Pt: > 350.00 Suitable Extinguishing Media: For small For large Do NOT of dry sand, well after Fire Fighting Instructions: Replace ff pressure- Vapors m and flash mixtures a container: highly tox may be in water. Va Vapors ca liquid and Flammable Properties and Hazards: Hazardous Combustion No data a	rom exposure and move to frea iet medical aid. Do NOT use m	sh air immediately. If breathing is difficult, give nouth-to-mouth resuscitation.		
immediate In Case of Ingestion: If conscio anything B medical a Note to Physician: Treat sym kidney, ch may be at Antidote: Ethanol m Hemodial Flash Pt: 11.70 C (Explosive Limits: LEL: No Autoignition Pt: > 350.00 Suitable Extinguishing Media: For small For large Do NOT u dry sand, well after Fire Fighting Instructions: Replace f pressure- Vapors m and flash mixtures a container: highly tox may be in water. Va Vapors ca liquid and Flammable Properties and Hazards: Hazardous Combustion No data a	Wash clothing before reuse. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists.			
Anything H medical a medical a Treat sym kidney, ch may be at Antidote: Ethanol m Hemodial Flash Pt: 11.70 C (# Explosive Limits: LEL: No Autoignition Pt: > 350.00 Suitable Extinguishing Media: For small For large Do NOT u dry sand, well after Fire Fighting Instructions: Replace f pressure- Vapors m and flash mixtures a container: highly tox may be in water. Va Vapors ca liquid and Flammable Properties and Hazards: Hazardous Combustion No data a	cal aid. Gently lift eyelids and fleely flush eyes with plenty of wat	ush continuously with water. In case of contact, ter for a t least 15 minutes.		
kidney, ch may be at Antidote: Ethanol m Hemodial Flash Pt: 11.70 C (Explosive Limits: LEL: No Autoignition Pt: > 350.00 Suitable Extinguishing Media: For small For large Do NOT of dry sand, well after Fire Fighting Instructions: Replace f pressure- Vapors m and flash mixtures a containers highly tox may be in water. Va Vapors ca liquid and Flammable Properties and Hazardous Combustion No data a	If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Potential for aspiration if swallowed. Get medical aid immediately. If vomiting occurs naturally, have victim lean forward.			
Flash Pt:11.70 C (fectorExplosive Limits:LEL: NoAutoignition Pt:> 350.00Suitable Extinguishing Media: For small For large Do NOT u dry sand, well afterFire Fighting Instructions:Replace f pressure- Vapors m and flash mixtures a containers highly tox may be in water. Va Vapors ca liquid andFlammable Properties and Hazardous CombustionNo data a	 Treat symptomatically and supportively. Persons with skin or eye disorders or liver, kidney, chronic respiratory diseases, or central and peripheral nervous sytem diseases may be at increased risk from exposure to this substance. Antidote: Replace fluid and electrolytes. Effects may be delayed. Ethanol may inhibit methanol metabolism. Urine acetone test may be helpful in diagnosis Hemodialysis should be considered in severe intoxication. 			
Explosive Limits:LEL: NoAutoignition Pt:> 350.00Suitable Extinguishing Media: For small For large Do NOT u dry sand, well afterFire Fighting Instructions:Replace f pressure- Vapors m and flash mixtures a container: highly tox may be in water. Va Vapors ca liquid andFlammable Properties and Hazardous CombustionNo data a	5. Fire Fighting Meas	sures		
Autoignition Pt:> 350.00Suitable Extinguishing Media: For small For large Do NOT u dry sand, well afterFire Fighting Instructions:Replace f pressure- Vapors m and flash mixtures a containers highly tox may be in water. Va Vapors ca liquid andFlammable Properties and Hazardous CombustionNo data a	53.1 F) Method Used: Estim	nate		
Suitable Extinguishing Media: For small For large Do NOT u dry sand, well afterFire Fighting Instructions:Replace f pressure- Vapors m and flash mixtures a container: highly tox may be in water. Va Vapors ca liquid andFlammable Properties and Hazardous CombustionNo data a	data. UE	L: No data.		
For large Do NOT u dry sand, well afterFire Fighting Instructions:Replace f pressure- Vapors m and flash mixtures a containers highly tox may be in water. Va Vapors ca liquid andFlammable Properties and Hazardous CombustionNo data a	C (662.0 F)			
pressure- Vapors m and flash mixtures a containers highly tox may be in water. Va Vapors ca liquid and Flammable Properties and No data a Hazards: Hazardous Combustion No data a	fires, use water spray, fog, or a use straight streams of water. F or alcohol-resistant foam. Coo	n dioxide, water spray or alcohol-resistant foam. alcohol-resistant foam. Water may be ineffective. For small fires, use carbon dioxide, dry chemical, I containers with flooding quantities of water until		
Hazards: Hazardous Combustion No data a	demand, MSHA/NIOSH (appro ay form explosive mixtures with back. Will burn if involved in a at temperatures above the flash s cool. Ethanol may inhibit meth c gases may be generated by effective. Material is lighter that pors are heavier than air and m in spread along the ground and vapor. May form explosive per	fire, wear a self-contained breathing apparatus i by oved or equivalent), and full protective gear. h air. Vapors can travel to a source of ignition fire. Can release vapors that form explosive hpoint. Use water spray to keep fire-exposed hanol metabolism. During a fire, irritating and thermal decomposition or combustion. Water in water and a fire may be spread by the use of may travel to a source of ignition and flash back. d collect in low or confined areas. Flammable roxides.		
	vailable.			
	vailable.			



Page: 4 of 8 ain Printed: 12/29/2016 Revision: 12/29/2016 Supersedes Revision: 10/06/2016

		6. Accide	ntal Release Meas	sures	
Steps To Be Material Is R Spilled:	Taken In Case eleased Or	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Use water spray to disperse the gas/vapor. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as sawdust. Water spray may reduce vapor but may not prevent ignition in closed spaces. Clean up spills immediately, observing precautions in the Protective Equipment section.			
		7. Ha	ndling and Storag	e	
Handling:	To Be Taken in To Be Taken in	Use spark-proof to clothing. Empty con dangerous. Keep c ingestion and inhal empty containers to wash before reuse. in confined spaces breathing dust, mis	fter handling. Ground and to ols and explosion proof equintainers retain product resident container tightly closed. Kee ation. Do not pressurize, cu o heat, sparks or open flam . Do not ingest or inhale. Us . Take precautionary meas st, or vapor. Do not allow to eat, sparks and flame. Keep	uipment. Avoid contact w due, (liquid and/or vapor) p away from heat, spark it, weld, braze, solder, dr es. Remove contaminat se only with adequate ve ures against static discha evaporate to near dryne	vith eyes, skin, and), and can be as and flame. Avoid rill, grind, or expose ed clothing and entilation. Avoid use arges. Avoid ss.
Storing:		tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Do not store near perchlorates, peroxides, chromic acid or nitric acid. Keep containers tightly closed. Do not store in direct sunlight. After opening, purge container with nitrogen before reclosing. Periodically test for peroxide formation on long-term storage. Addition of water or appropriate reducing materials will lessen peroxide formation. Store protected from moisture. Containers should be dated when opened and tested periodically for the presence of peroxides. Should crystals form in a peroxidizable liquid, peroxidation may have occurred and the product should be considered extremely dangerous. All peroxidizable substances should be stored away from heat and light and be protected from ignition sources.			
	8.	Exposure C	ontrols/Personal I	Protection	
CAS #	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits
64-17-5	Ethyl alcohol {Eth	anol}	PEL: 1000 ppm	TLV: 1000 ppm	No data.
67-56-1	Methanol {Methyl Wood alcohol}	alcohol; Carbinol;	PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm	No data.
67-63-0	Isopropyl alcohol IPA; 2-Propanol}	{sec-Propyl alcohol;	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
7647-01-0	Hydrochloric acid	{Hydrogen chloride}	CEIL: 5 ppm	CEIL: 2 ppm)	No data.



Respiratory Equipment (Specify Type):	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.		
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Wear chemical splash goggles.		
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.		
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.		
Engineering Controls (Ventilation etc.):	Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.		
	9. Physical and Chemical Properties		
Physical States:	[]Gas [X]Liquid []Solid		
Appearance and Odor:	Blue.		
	Ethanol odor.		
pH:	No data.		
Melting Point:	-114.10 C (-173.4 F)88.00 C (-126.4 F)		
Boiling Point:	64.70 C (148.5 F) - 82.00 C (179.6 F)		
Flash Pt:	11.70 C (53.1 F) Method Used: Estimate		
Evaporation Rate:	No data.		
Flammability (solid, gas):	No data available.		
Explosive Limits:	LEL: No data. UEL: No data.		
Vapor Pressure (vs. Air or	No data.		
mm Hg):			
Vapor Density (vs. Air = 1):	No data.		
Specific Gravity (Water = 1):	No data.		
Density:	~ 0.7910 G/CM3		
Solubility in Water:	No data.		
Octanol/Water Partition Coefficient:	No data.		
Autoignition Pt:	> 350.00 C (662.0 F)		
Decomposition Temperature:	No data.		
Viscosity:	No data.		
	10. Stability and Reactivity		
Stability:	Unstable [] Stable [X]		
Conditions To Avoid - Instability:	Incompatible materials, ignition sources, Excess heat, confined spaces, Light.		
Incompatibility - Materials To	Strong oxidizing agents, acids, Alkali metals, Ammonia, hydrazine, Peroxides, Sodium,		
Avoid:	Acid anhydrides, calcium hypochlorite, chromyl chloride, nitrosyl perchlorate, bromine pentafluoride, Perchloric acid, silver nitrate, mercuric nitrate, potassium tert-butoxide, magnesium perchlorate, Acid chlorides, platinum, uranium hexafluoride, silver oxide, iodine heptafluoride, acetyl bromide, disulfuryl difluoride, tetrachlorosilane + water, acetyl chloride, permanganic acid, ruthenium (VIII) oxide, uranyl perchlorate, Reducing agents, Potassium, metals as powders (e.g. hafnium, raney nickel), powdered aluminum, powdered magnesium. Strong acids, Strong bases, Amines, ethylene oxide, isocyanates, acetaldehyde, chlorine, phosgene, Attacks some forms of plastics, rubbers, and coatings.		
	GHS format		



 Page: 6 of 8

 unterstain
 Printed: 12/29/2016

 Revision: 12/29/2016
 12/29/2016

 Supersedes Revision: 10/06/2016
 10/06/2016

	Supersedes Revision: 10/06/2016
	aluminum at high temperatures.
Hazardous Decomposition c Byproducts:	or Carbon monoxide, irritating and toxic fumes and gases, Carbon dioxide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.
	11. Toxicological Information
Toxicological Information:	Epidemiology: No information found.
	Teratogenicity: There is no human information available. Methanol is considered to be a potential developmental hazard based on animal data. In animal experiments, methanol has caused fetotoxic or teratogenic effects without maternal toxicity. Reproductive Effects: See actual entry in RTECS for complete information. Mutagenicity: Neurotoxicity: ACGIH cites neuropathy, vision and CNS under TLV basis. Other Studies:
Carcinogenicity/Other Information:	CAS# 64-17-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 67-56-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 67-63-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
	12. Ecological Information
General Ecological	Environmental: When released to the atmosphere it will photodegrade in hours (polluted
Information:	urban atmosphere) to an estimated range of 4 to the atmosphere it will photodegrade in hours (polluted urban atmosphere) to an estimated range of 4 to 6 days in less polluted areas. Rainout should be significant. No information available. Dangerous to aquatic life in high concentrations. Aquatic toxicity rating: TLm 961000 ppm. It may be dangerous if it enters water intakes. Methyl alcohol is expected to biodegrade in soil and water very rapidly. This product will show high soil mobility and will be degraded from the ambient atmosphere by the reaction with photochemically produced hyroxyl radicals with an estimated half-life of 17.8 days. Bioconcentration factor for fish (golden ide) < 10.Based on a log Kow of -0.77, the BCF value for methanol can beestimated to be 0. Ecotoxicity: Fish: Fathead Minnow: 1000 ppm; 96h; LC50Daphnia: 1000 ppm; 96h; LC50Fish: Gold orfe: 8970-9280 ppm; 48h; LC50 IPA has a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect secondary waste treatment microbial metabolism, a low potential to affect the germination of some plants, a high potential to biodegrade (low persistence) with unacclimated microorganisms from activated sludge. Physical: THOD: 2.40 g oxygen/gCOD: 2.23 g oxygen/gBOD-5: 1.19-1.72 g oxygen/g. Other: No information available.
	13. Disposal Considerations
Waste Disposal Method:	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed. RCRA U-Series: CAS# 67-56-1: waste number U154 (Ignitable waste).

GHS format



SAFETY DATA SHEET

Rapid Fluorescent Decolorizer/ Counterstain

Page: 7 of 8 Printed: 12/29/2016 Revision: 12/29/2016 Supersedes Revision: 10/06/2016

		14. Tra	ansport	Information			
GHS Classific		Specific Target Or to organs { <target< th=""><th>tation, Cate gan Toxicity</th><th>gory 3 - Warning!</th><th>Causes mild skin ir</th><th>•</th></target<>	tation, Cate gan Toxicity	gory 3 - Warning!	Causes mild skin ir	•	
	PORT (US DOT)						
DOT Prop DOT Haza		ne: Alcohols, n.o.s 3	Alcohols, n.o.s. (Ethanol) 3 FLAMMABLE LIQUID				
UN/NA Nu		UN1987			oup:	Ш	
		FLIMMBELE LIQUE					
LAND TRANS	SPORT (Canadia	n TDG):					
	oing Name:		Alcohols, n.o.s. (Ethanol)			111	
UN Numbe Hazard Cla	-	1987 3 - FLAMMABL	E LIQUID	Packing Gro TDG Classif	-		
LAND TRANS	SPORT (Europea						
ADR/RID \$	Shipping Name:	Alcohols, n.o.s	. (Ethanol)				
	-	1987 3 - FLAMMABI		Packing Gro	oup:	III	
	ass: ORT (ICAO/IATA						
	A Shipping Nam	-	. (Ethanol)				
			. ,	/ Information			
FPA SARA (Su	perfund Amendm	ents and Reauthoriz					
CAS # 64-17-5	-	ponents (Chemical I		S. 302 (EHS) No	S. 304 RQ No	S. 313 (TRI) No	
67-56-1	Methanol {Methy alcohol}	l alcohol; Carbinol; \	Wood	No	Yes 5000 LB	Yes	
67-63-0	Isopropyl alcohol 2-Propanol}	{sec-Propyl alcohol;	IPA;	No	No	Yes	
7647-01-0	Hydrochloric acid	{Hydrogen chloride}		Yes 500 LB	Yes 5000 LB	Yes	
	jories' defined e III Sections	[X] Yes [] No F [] Yes [X] No S	hronic (dela ire Hazard	ayed) Health Hazar ease of Pressure H	rd		
CAS #	Hazardous Com	ponents (Chemical I	Name)	Other US EPA or S	State Lists		
64-17-5	Ethyl alcohol {Etl	nanol}		CA PROP.65: No; HSL: Yes - 1	MA Oil/HazMat: Yes	; NJ EHS: No; PA	
67-56-1	Methanol {Methy alcohol}	l alcohol; Carbinol; \	Wood		MA Oil/HazMat: Ye	s; NJ EHS: Yes - 1222;	
67-63-0		{sec-Propyl alcohol;	IPA;	CA PROP.65: No; PA HSL: Yes - E	MA Oil/HazMat: No;	NJ EHS: Yes - 1076;	
7647-01-0	2-Propanol} Hydrochloric acid {Hydrogen chloride}			PA HSL: Yes - E CA PROP.65: No; MA Oil/HazMat: Yes; NJ EHS: Yes - 1012; PA HSL: Yes - E		; NJ EHS: Yes - 1012;	



16. Other Information				
Revision Date:	12/29/2016			
Additional Information About This Product:	No data available.			
Document & Change Control Number	SDS0255.B CC16-312.			
Company Policy or	Disclaimer			
Disclaimer:	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.			