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The Optical Supply Resource

Material Safety Data Sheet

Manufacturer OptiSource International 40 Sawgrass Drive Bellport, NY 11713 USA		For EMERGENCIES Call: USA: Chemtrec 1-800-424-9300 CCN: 19481	
Product Name	Photo 16 Salt		
Common Name	Tempering Salt for Photochromic Glass		
Synonyms	Mixture of Sodium Nitrate, Potassium Nitrate and Silicic Acid		
DOT Shipping Name	Sodium Nitrate and Potassium Nitrate Mixture, UN1499, Class 5.1, Packing Group III		
Warning Statements	Avoid contact with eyes and skin. Do not mix with reducing agents. Do not inhale dust. If decomposed, this product gives off toxic, gaseous oxides of nitrogen. Store away from flammable materials.		
SECTION I - HAZARDOUS INGREDIENTS (*Subject to reporting requirements of Section 313 EPCRA and of 40 CFR 372.)			
		OSHA PEL	ACGIH TLV
Potassium Nitrate	CAS # 7757-79-1 59.75%	NA	NA
Sodium Nitrate	CAS # 7631-99-4 39.75%	NA	NA
Silicic Acid	CAS # 7631-86-9 0.5%	80 mg/m ³	10 mg/m ³
SECTION II - EMERGENCY AND FIRST AID PROCEDURES			
FOR EMERGENCIES, Call: 800-424-9300			
Eye Contact	Flush with water for 15 minutes. If irritation persists, seek medical help.		
Skin Contact	Flush with large amount of water. If irritation persists, seek medical help.		
Inhalation	Remove from work area to fresh air. Seek medical help if respiratory irritation occurs.		
Ingestion	Drink large amount of water to dilute. Seek medical help.		

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Product Name	Photo Salt
SECTION III - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION	
Eye Effects	Mildly irritating to eyes.
Skin Effects	Mildly irritating to skin.
Acute Effects	People with history of kidney or lung disease may be more susceptible to the effects of this substance.
Chronic Effects	Long term exposure may irritate mucous membranes and upper respiratory tract.
SECTION IV - SPECIAL PROTECTION INFORMATION	
Respiratory Protection	Wear mask suitable for protection against nuisance dust.
Ventilation	Local exhaust.
Protective Gloves	Vinyl or latex gloves.
Eye Protection	Chemical safety glasses.
Other Protective Equipment	
SECTION V - REACTIVITY DATA	
Conditions to Avoid	Avoid contact with reducing agents. Mixtures with reducing agents may detonate by heat or shock.
Incompatibility (Materials to Avoid)	Reducing agents, materials easily oxidized.
Hazardous Decomposition Products	Toxic, gaseous oxides of nitrogen.
Hazardous Polymerization	None
Conditions to Avoid	None.

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SECTION VI - SPILL OR LEAK PROCEDURES				Highway or Railway Spills Call: 800-424-9300			
Precautions in Case of Release or Spill		Recover dry if possible. Dispose of collected spill in accordance with local, county, state, and federal laws.					
Waste Disposal Method		Dispose of collected spill in accordance with local, county, state, and federal laws.					
SECTION VII - STORAGE AND SPECIAL PRECAUTIONS							
Handling and Storing Precautions		Store in cool dry place in tightly closed containers.					
Other Precautions		Do not store near reducing agents or sources of flame.					
SECTION VIII - FIRE AND EXPLOSION HAZARD DATA							
DOT Flammability Classification		Not Flammable. Oxidizer					
Extinguishing Media		Large amount of water. Molten product may scatter when flooded with water.					
Unusual Fire and Explosion Hazards		Spontaneous reaction may occur with materials easily oxidized, increasing their flammability. May explode if heated over 1000 °C. Store away from flammable materials.					
Fire Fighting Procedures		Wear self contained breathing apparatus and other protection commonly used for chemical fires.					
SECTION IX - PHYSICAL DATA							
Melting Point 337 °C	Decomposes at 400 °C	vaporation Rate NA	Percent Volatile NA	Solubility in Water 100%	Specific Gravity NA	Bulk Density 5 lb/gal	Appearance and Odor White Crystal
SECTION X - DOCUMENTARY INFORMATION							
Product Code Number 27-PHOTO16			Product Name Photo Salt				

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