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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 2 Salt				
Common Name	Tempering Salt for Photochromic Glass				
Synonyms	Potassium Nitrate, Potash Nitrate, Salt Peter, Niter				
DOT Shipping Name	Oxidizer UN1486, Class 5.1, Packing Group III				
Warning Statements	Avoid contact with eyes and skin. Do not inhale dust. If decomposed, this product gives off toxic, gaseous oxides of nitrogen. Do not mix with reducing agents. Store away from flammable substances. Avoid contact with melted product, as it would rapidly burn the skin.				
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	99.5%	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	Crown Salt
SECTION III - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION	
Eye Effects	Mildly irritating to eyes.
Skin Effects	Mildly irritating to skin.
Acute Effects	Mildly irritating to eyes and skin.
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. Mixtures with reducing agents may detonate by heat or shock. 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	Decomposes at	vaporation Rate	Percent Volatile	Solubility in Water	Specific Gravity	Bulk Density	Appearance and Odor	
337 °C	400 °C	NA	NA	100%	NA	5 lb/gal	White Crystal	
SECTION X - DOCUMENTARY INFORMATION								
Product Code Number			27-PHOTO2		Product Name			Crown Salt

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