



# MERCOFrames OPTICAL CORP

5555 Nw 74 Ave. Miami. Fl. 33166

Tel. 305-882-0120

ale@mercoframes.com

## The Optical Supply Resource

### Material Safety Data Sheet

<b>Manufacturer</b>		OptiSource International 40 Sawgrass Drive Bellport, NY 11713 USA		<b>For EMERGENCIES Call:</b>		USA: Chemtrec 1-800-424-9300    CCN: 19481	
<b>Product Name</b>		Crown 16 Salt					
<b>Common Name</b>		Tempering Salt for Crown Glass					
<b>Synonyms</b>		Potassium Nitrate, Potash Nitrate, Salt Peter, Niter					
<b>DOT Shipping Name</b>		Oxidizer UN1486, Class 5.1, Packing Group III					
<b>Warning Statements</b>		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.					
<b>SECTION I - HAZARDOUS INGREDIENTS</b> (*Subject to reporting requirements of Section 313 EPCRA and of 40 CFR 372.)							
Potassium Nitrate    CAS # 7757-79-1    99.5%				OSHA PEL		ACGIH TLV	
Silicic Acid            CAS # 7631-86-9    0.5%				NA 80 mg/m <sup>3</sup>		NA 10 mg/m <sup>3</sup>	
<b>SECTION II - EMERGENCY AND FIRST AID PROCEDURES</b>							
FOR EMERGENCIES, Call: 800-424-9300							
<b>Eye Contact</b>		Flush with water for 15 minutes. If irritation persists, seek medical help.					
<b>Skin Contact</b>		Flush with large amount of water. If irritation persists, seek medical help.					
<b>Inhalation</b>		Remove from work area to fresh air. Seek medical help if respiratory irritation occurs.					
<b>Ingestion</b>		Drink large amount of water to dilute. Seek medical help.					

**MATERIAL SAFETY DATA SHEET**

PAGE 2

Product Name	Crown Salt
<b>SECTION III - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION</b>	
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.
<b>SECTION IV - SPECIAL PROTECTION INFORMATION</b>	
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	
<b>SECTION V - REACTIVITY DATA</b>	
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.

MATERIAL SAFETY DATA SHEET

PAGE 3

<b>SECTION VI - SPILL OR LEAK PROCEDURES</b>		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.							
<b>SECTION VII - STORAGE AND SPECIAL PRECAUTIONS</b>								
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.							
<b>SECTION VIII - FIRE AND EXPLOSION HAZARD DATA</b>								
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.							
<b>SECTION IX - PHYSICAL DATA</b>								
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	
<b>SECTION X - DOCUMENTARY INFORMATION</b>								
Product Code Number			27-CROWN16		Product Name			Crown Salt

**DISCLAIMER OF EXPRESS AND IMPLIED WARRANTIES**

The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied, regarding the accuracy or completeness of this information, the results to be obtained from use of this information or the product, the safety of this product, or the hazards related to its use. The information and the product are furnished on the condition that the person(s) receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.