

**Material Safety Data Sheet**  
**Thermo King Compressor Oil – Solest 120**  
**TK #203-0515**

SECTION I – MATERIAL IDENTITY, MANUFACTURER, AND EMERGENCY INFORMATION, AND PREPARATION INFORMATION					
Material: Compressor Oil – Solest 120			TK #: 203-0515		<b>NFPA</b> <b>Ratings</b>  [0] Health [1] Flammability [0] Reactivity *See Section VII for Personal Protection
Name/Identifier (Trade Name and Synonyms): Compressor Oil					
Chemical Name: Ester (proprietary formula)			Chemical Family: Polyol Ester (proprietary formula)		
Material Use: Compressor Oil					
Manufacturer's Name: Thermo King Corporation					
Street Address: 314 West 90 <sup>th</sup> Street					
City, State, Zip: Minneapolis, Minnesota 55420					
Emergency Telephone Number: 952-887-2200			Date Prepared: May 22, 2002		
SECTION II – HAZARDOUS INGREDIENT(S)					
Name of Hazardous Ingredient(s)	Percent	CAS, NA or UN Number	OSHA Permissible Exposure Limit (PEL)*	ACGIH Threshold Limit Value (TLV)	
None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	
Notes: C – Ceiling concentration; ST – Short-term exposure limit (15 minute TWA); TWA – Time-weighted average; skin – can be absorbed through the skin and add to total exposure. * Federal OSHA PEL may differ from State OSHA PEL's. Refer to State OSHA Regulations if applicable.					
SECTION III – PHYSICAL AND CHEMICAL CHARACTERISTICS					
Physical State: Liquid	Appearance: Clear liquid, gray to yellow or light brown	Odor: Mild, distinct	Specific Gravity (water = 1) : 0.94-0.97	Vapor Pressure (mm Hg): <0.01 at 68° F (20° C)	Percent Volatile by Volume: 0
Vapor Density (Air = 1): Not determined	Evaporation Rate (butyl acetate = 1): Nil	Boiling Point: > 650° F (> 343° C)	Freezing Point: Not determined	Solubility in Water: Negligible	pH: Not applicable
Density (g/ml): Not determined	Additional Data:				
SECTION IV – FIRE AND EXPLOSION HAZARD DATA					
Flammable? Yes [ ] No [X]			Sensitive to mechanical impact? No		
If yes, under what conditions?					
Method of Extinction: Dry chemical, carbon dioxide, foam, water fog.					
Special Procedures: Water or foam may cause frothing. Use water fog to keep fire-exposed containers cool. Firefighters should use NIOSH-approved self-contained breathing apparatus when fighting fire.					
Flash Point and Method: 446-572° F (230-300° C), Cleveland Open Cup		Explosive Limits: No data		Autoignition Temperature: No data	
Hazardous Combustion Products: Oxides of carbon and other decomposition products in the case of incomplete combustion.					
SECTION V – REACTIVITY DATA					
Chemical Stability: Yes [X] No [ ], under normal conditions.			Hazardous Decomposition Products: Oxides of carbon and other decomposition products in the case of incomplete combustion.		
Incompatibility to other Substances: Yes [X] No [ ] Unknown [ ]					
If so, which ones: Strong oxidizers, caustic or acidic solutions					
Hazardous Polymerization: May occur [ ] Will not occur [X] under normal conditions.			Conditions to Avoid:		

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<b>SECTION VI - HEALTH HAZARD DATA</b>
Routes of Entry: Inhalation [ ] Skin Absorption [ ] Ingestion [ ] Note: Under normal use, inhalation, skin absorption and ingestion are not anticipated to be significant routes of exposure. However, excessive contact may result in eye, skin, or respiratory tract irritation.
Target Organs: Eyes, skin, and respiratory tract.
Health Hazards (Acute and Chronic): No acute hazards were identified in sub chronic studies. Repeated or prolonged exposure may cause skin irritation, eye irritation or respiratory tract irritation. Chronic exposure to oil mist may result in droplet deposition and granuloma formation. The toxicological properties of this product have not been fully investigated. However, analogous compounds are considered to be essentially non-toxic.
Carcinogenicity: The product contains no known carcinogens.
Signs or Symptoms of Exposure to the Ingredients or Product: Eye, skin or respiratory tract irritation. Ingestion may result in nausea and diarrhea.
Medical Conditions Aggravated by Exposure to the Ingredients or Product: Eye, skin or respiratory tract conditions that may be aggravated by exposure to irritants.
Emergency First Aid Procedures <ul style="list-style-type: none"> <li>• Inhalation - Move to fresh air if this can be done safely. Seek medical attention if there is respiratory tract irritation, dizziness, nausea, or unconsciousness. If breathing has stopped, provide mouth-to-mouth resuscitation or mechanically assist respiration.</li> <li>• Skin Contact - Remove contaminated clothing. Wash affected areas with soap and water. After handling this product, wash hands before eating, drinking, smoking, or applying make-up. Do not use solvents or thinners.</li> <li>• Eye Contact - Flush eyes with copious amounts of water for a minimum of 15 minutes. Seek medical attention.</li> <li>• Ingestion - Rinse mouth. Do not induce vomiting. Seek medical attention immediately.</li> <li>• Injection - If the product is injected under the skin or into any body part, the victim should be evaluated immediately by a doctor as a surgical emergency. Surgical intervention is needed to reduce the ultimate extent of the injury.</li> </ul>
<b>SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE</b>
Leak/Spill Procedures: Do not allow the product to enter drains, surface or underground water. If an uncontrolled release occurs, notify proper authorities. The EPA and US Coast Guard require immediate reporting of releases that could reach any waterway including dry creek beds. Report releases to the Coast Guard National Response Center at 1-800-424-8802. In case of an accident or roadway spill, notify CHEMTREC at 1-800-424-9300. If spilled in surface water, contain spill with booms. Notify ships in the area. Remove from surface by skimming or with appropriate absorbents.
Waste Disposal: Incinerate this product and all associated wastes at a licensed facility in accordance with Federal, state, and local regulations.
Precautions to be taken in Handling and Storing: <ul style="list-style-type: none"> <li>• When using this material do not eat, drink or smoke without first washing hands with soap and water.</li> <li>• Avoid prolonged or repeated skin contact.</li> <li>• Store in a closed labeled container. Product is hygroscopic.</li> <li>• Storage under nitrogen is highly recommended.</li> <li>• Store away from oxidizing agents and combustibles.</li> <li>• Do not store near heat, fire, sparks and flame.</li> </ul>
Other Precautions: <ul style="list-style-type: none"> <li>• Avoid skin and eye contact.</li> <li>• Do not eat, drink, or smoke in areas where this product is used.</li> <li>• Spills may result in a slip hazard so they should be cleaned promptly.</li> </ul>
<b>SECTION VIII - CONTROL MEASURES</b>
Personal Protective Equipment: <ul style="list-style-type: none"> <li>• Gloves - Strongly recommended, especially for prolonged exposure.</li> <li>• Respiratory Protection - As needed a NIOSH-certified respirator may be worn to protect against mist and droplet inhalation.</li> <li>• Eye Protection - Wear splash-resistant goggles if there is a potential for eye contact.</li> <li>• Work/Hygienic Practices - Wash with soap and water before eating, drinking, or smoking.</li> </ul>
Engineering Controls: <ul style="list-style-type: none"> <li>• Local exhaust ventilation recommended? Yes [ ] No [X]</li> <li>• General exhaust ventilation recommended? Yes [X] No [ ]</li> </ul>