SAFETY DATA SHEET PE68

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT: Solest 68
CHEMICAL NAME/FAMILY: POLYOL ESTER
OTHER NAME: Refrigerant Oil
MANUFACTURER: NATIONAL REFRIGERANTS, INC.
ADDRESS: 11401 Roosevelt Boulevard Phila., Pa. 19154
INFORMATION: 800-262-0012 **EMERGENCY:** 800-424-9300
DATE: 3/2015 **PREPARER:** Matt Callahan

2. HAZARD IDENTIFICATION

CLASSIFICATION: This material has no known hazards under applicable laws. The product contains no known carcinogens.

OTHER HAZARDS: Prolonged contact may cause minor skin irritation.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENT	CAS#	WEIGHT
Proprietary Formulation	Proprietary	Proprietary

COMMON NAMES AND SYNONYMS:
Refrigerant Oil

- The specific chemical identity and percentages are claimed as a trade secret

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if irritation persists.

SKIN CONTACT: Upon contact with skin, wash exposed area with soap and water.

INHALATION: Product is not toxic by inhalation. If oil mist is inhaled, remove to fresh air and consult physician.

INGESTION: Do not induce vomiting. If conscious, give 2 glasses of water and consult physician. May cause nausea and diarrhea.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry Chemical; CO2 Foam; Water Spray (fog)

SPECIAL FIREFIGHTING PROCEDURES: Toxic fumes, gases or vapors may evolve on burning. Firefighters should use NIOSH/MNSA- approved self-contained breathing apparatus. Use water to cool fire-exposed containers. Use water carefully near exposed liquid to avoid frothing and splashing of hot liquid.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Stop the source of the spill. Dike the spill area. Use absorbent materials to soak up fluid (i.e. sand, sawdust, commericially available materials). Wash the spill area with large amounts of water. Properly dispose of all materials. Use personal protective equipment such as gloves, goggles, and converalls to prevent skin conact during clean up.

7. HANDLING AND STORAGE

PRECAUTIONS FOR STORAGE AND HANDLING: Do not take internally. Avoid contact with skin, eyes, and clothing. Upon contact with skin, wash exposed area with soap and water. If product enters the eyes, flush with water for 15 minutes and consult a physician. Wash contaminated clothing before reuse. Keep container tightly sealed when not in use. Keep away from heat and flames.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
Provide adequate ventilation when working in confined areas

PERSONAL PROTECTIVE EQUIPMENT

SKIN PROTECTION:
General work clothing and gloves (leather) should provide adequate protection. Any contaminated clothing should be promptly removed and washed before reuse.

EYE PROTECTION:
For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear chemical safety goggles.

RESPIRATORY PROTECTION:
None generally required for adequately ventilated work situations. For accidental release or non-ventilated situations, or release into confined space, where the concentration may be above the PEL use a NIOSH approved respirator.

ADDITIONAL RECOMMENDATIONS:
Where contact with liquid is likely, such as in a spill or leak, impervious boots and

clothing should be worn.

EXPOSURE LIMITS
OSHA permissible concentration of mineral oil mist in air is 5 mg/m3.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear to yellow liquid
ODOR:	Mild
ODOR THRESHOLD:	Not determined
PH:	Not determined
MELTING/FREEZING POINT:	Not determined
BOILING POINT:	>650˚F (343˚C)
FLASH POINT:	505˚F COC (263˚C) (Typical)
EVAPORATION RATE:	Nil
FLAMMABILITY:	Not applicable
LEL/UEL:	Not applicable
VAPOR PRESSURE:	<0.01 mmHg @ 20˚C
VAPOR DENSITY:	Not determined
RELATIVE DENSITY:	Not determined
SOLUBILITY:	Negligible
PARTITION COEFFICIENT n-Octanol/water:	Not determined
AUTO IGNITION TEMPERATURE:	Not determined
DECOMPOSITION TEMPERATURE:	Not determined
VISCOSITY:	66.3 Centistokes 104˚F (40˚C) 8.9 Centistokes 212˚F (100˚C)

10. STABILITY AND REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Analogous compounds evolve carbon monoxide, carbon dioxide, and other unidentified chemicals when burned.

11. TOXICOLOGICAL INFORMATION

INHALATION AND SKIN ABSORPTION HEALTH RISKS: N/A

SKIN AND EYE CONTACT: Prolonged contact may cause minor skin irritation.

SYMPTOMS OF EXPOSURE: N/A

INGESTION: N/A

ACUTE AND CHRONIC HEALTH HAZARDS: N/A

CARCINOGENICITY:	NTP	IARC MONOGRAPHS	OSHA REGULATED
	NO	NO	NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

12. ECOLOGICAL INFORMATION

No data available

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of this product and all associated wasted in a licensed facility in accordance with appropriate Federal, State, and local regulations.

13. TRANSPORATION INFORMATION

US DOT ID NUMBER:	None
US DOT PROPER SHIPPING NAME:	None
US DOT HAZARD CLASS:	None
US DOT PACKING GROUP:	None

14. REGULATORY INFORMATION

This material is not a hazardous waste under RCRA Regulation 40 CFR 261

15. OTHER INFORMATION

HMIS:	H	F	R
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DISCLAIMER:

INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AT THE TIME OF PREPARATION. NO WARRANTY IS MADE CONCERNING THE ACCURACY AND NO LIABILITY SHALL BE MADE FOR CLAIMS FOR USE OR RELIANCE OF THE RECOMMENDATIONS CONTAINED HEREIN.