

Revision Date: 06/04/2018

# SAFETY DATA SHEET

# 1. Identification

Identification

Product name: SOLEST®120 (4317-71, 4317-76, 4317-77)

Additional identification

Chemical name: Mixture

Recommended use and restriction on use

Recommended use: Refrigeration Lubricants.

Restrictions on use: None identified.

Details of the supplier of the safety data sheet

**Supplier** 

Company Name: Nu-Calgon

Address: 2611 Schuetz Road

St. Louis, MO 63043

USA

Telephone: 314-469-7000 / 800-554-5499

**Emergency telephone number:** 

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1)703 527 3887, OR WITHIN USA 800 424 9300

# 2. Hazard(s) identification

**Hazard Classification** 

Not classified

**Label Elements:** 

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statements: Not applicable

Other hazards which do not result

in GHS classification:

None identified.

# 3. Composition/information on ingredients

**General information:** The components are not hazardous or are below required disclosure limits.



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# 4. First-aid measures

**Ingestion:** Treat symptomatically. Get medical attention.

**Inhalation:** Remove exposed person to fresh air if adverse effects are observed.

**Skin Contact:** Wash with soap and water. If skin irritation occurs, get medical attention.

Eye contact: Any material that contacts the eye should be washed out immediately with

water. If easy to do, remove contact lenses.

Most important symptoms/effects, acute and delayed

**Symptoms:** See section 11.

Indication of immediate medical attention and special treatment needed

**Treatment:** Treat symptomatically.

# 5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

CO2, dry chemical, foam, water spray, water fog.

Unsuitable extinguishing

media:

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical:

A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional

information.

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

No data available.

**Special protective** 

equipment for fire-fighters:

Recommend wearing self-contained breathing apparatus.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Personal Protective Equipment must be worn, see Personal Protection

Section for PPE recommendations.

Methods and material for containment and cleaning up:

Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert

material.



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Environmental Precautions: Avoid release to the environment. Do not contaminate water sources or

sewer. Environmental manager must be informed of all major spillages.

Prevent further leakage or spillage if safe to do so.

7. Handling and storage

**Precautions for safe handling:** Observe good industrial hygiene practices. Provide adequate ventilation.

Wear appropriate personal protective equipment.

**Maximum Handling** 

Temperature:

Not determined.

Conditions for safe storage,

including any incompatibilities:

Store away from incompatible materials. See section 10 for incompatible

materials.

Maximum Storage

Temperature:

Not determined.

# 8. Exposure controls/personal protection

#### **Control Parameters:**

### **Occupational Exposure Limits**

None of the components have assigned exposure limits.

Appropriate engineering

controls:

No special requirements under ordinary conditions of use and with

adequate ventilation.

Individual protection measures, such as personal protective equipment

**General information:** Use personal protective equipment as required.

**Eye/face protection:** If contact is likely, safety glasses with side shields are recommended.

**Skin Protection** 

**Hand Protection:** Neoprene. Suitable gloves can be recommended by the glove supplier.

Other: No data available.

**Respiratory Protection:** Consult with an industrial hygienist to determine the appropriate respiratory

protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after

handling the material and before eating, drinking, and/or smoking. Routinely

wash work clothing to remove contaminants. Discard contaminated

footwear that cannot be cleaned.

# 9. Physical and chemical properties



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**Appearance** 

Physical state: liquid Form: liquid

Color: Colorless to yellow

Odor: Mild

Odor threshold:

pH:

No data available.

Preezing point:

No data available.

No data available.

No data available.

No data available.

Flash Point: 485.1 °F (251.7 °C) (Cleveland Open Cup)

**Evaporation rate:**No data available. **Flammability (solid, gas):**No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%):

Flammability limit - lower (%):

Explosive limit - upper (%):

Explosive limit - lower (%):

Vapor pressure:

Vapor density:

No data available.

Solubility(ies)

Solubility in water:
Solubility (other):
No data available.
Partition coefficient (n-octanol/water):
No data available.
No data available.
No data available.
Viscosity:
No data available.
No data available.

# 10. Stability and reactivity

**Reactivity:** No data available.

**Chemical Stability:** Material is stable under normal conditions.

Possibility of hazardous

reactions:

Will not occur.

Conditions to avoid: Not determined.

**Incompatible Materials:** Strong acids. Strong oxidizing agents. Strong bases.

**Hazardous Decomposition** 

Products:

Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.



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# 11. Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

**Skin Contact:** No data available.

Eye contact: No data available.

Information on toxicological effects

**Acute toxicity** 

Oral

Product: Swallowing material may cause irritation of the gastrointestinal

> lining, nausea, vomiting, diarrhea, and abdominal pain. Not classified for acute toxicity based on available data.

**Dermal** 

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: Not classified for acute toxicity based on available data.

Skin Corrosion/Irritation:

Product: Not classified as a primary skin irritant.

Remarks: Prolonged or repeated skin contact as from clothing wet

with material may cause dermatitis. Symptoms may include

redness, edema, drying, and cracking of the skin.

Serious Eye Damage/Eye Irritation:

Product: Remarks: Not classified as a primary eye irritant.

Respiratory sensitization:

No data available

Skin sensitization:

No data available

**Specific Target Organ Toxicity - Single Exposure:** 

No data available

**Aspiration Hazard:** 

No data available

**Chronic Effects** 

Carcinogenicity:

No data available



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# IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

# **US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

# US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

**Germ Cell Mutagenicity:** 

No data available

Reproductive toxicity:

No data available

# **Specific Target Organ Toxicity - Repeated Exposure:**

No data available

# 12. Ecological information

# **Ecotoxicity**

**Fish** 

No data available

**Aquatic Invertebrates** 

No data available

**Toxicity to Aquatic Plants** 

No data available

Toxicity to soil dwelling organisms

No data available

**Sediment Toxicity** 

No data available

**Toxicity to Terrestrial Plants** 

No data available

**Toxicity to Above-Ground Organisms** 

No data available

**Toxicity to microorganisms** 

No data available

Persistence and Degradability

Biodegradation

No data available

**Bioaccumulative Potential** 



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**Bioconcentration Factor (BCF)** 

No data available

Partition Coefficient n-octanol / water (log Kow)

No data available

Mobility:

No data available

Other Adverse Effects: No data available.

# 13. Disposal considerations

**Disposal instructions:** Treatment, storage, transportation, and disposal must be in accordance

with applicable Federal, State/Provincial, and Local regulations.

Since emptied containers retain product residue, follow label warnings even

after container is emptied.

**Contaminated Packaging:** Container packaging may exhibit hazards.

# 14. Transport information

#### DOT

Not regulated.

#### IMDG

Not regulated.

#### **IATA**

Not regulated.

# Transport in bulk according to Annex II of MARPOL and the IBC Code

None known.

The DOT shipping information in this section is based on a bulk container. Please review the accompanying shipping papers for the correct shipping descriptions based the size of the package. Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. During transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

# 15. Regulatory information

## **US Federal Regulations**

# TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

## **CERCLA Hazardous Substance List (40 CFR 302.4)**

None present or none present in regulated quantities.



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#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### **SARA 311 Classifications**

Not classified

# **SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

## SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

#### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

## **US State Regulations**

#### **US.** California Proposition 65



WARNING: This product can expose you to chemicals including: Toluene (9.00PPM) Cyanide (19.00PPT), which is [are] known to the State of California to cause birth defects or other reproductive harm.

#### **Inventory Status**

Australia (AICS)

All components are in compliance with chemical notification requirements in Australia.

# Canada (DSL/NDSL)

All substances contained in this product are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List (DSL) or are exempt.

# China (IECSC)

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

## European Union (REACh)

To obtain information on the REACH compliance status of this product, please e-mail REACH@SDSInquiries.com.

## Japan (ENCS)

All components are in compliance with the Chemical Substances Control Law of Japan.

#### Korea (ECL)

All components are in compliance in Korea.

#### New Zealand (NZIoC)

All components are in compliance with chemical notification requirements in New Zealand.

## Philippines (PICCS)

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).



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Switzerland (SWISS)

May require notification before sale in Switzerland.

Taiwan (TCSCA)

All components of this product are listed on the Taiwan inventory.

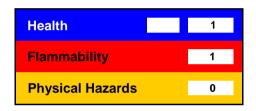
United States (TSCA)

All substances contained in this product are listed on the TSCA inventory or are exempt.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

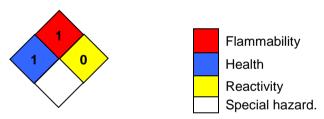
# 16.Other information, including date of preparation or last revision

#### **HMIS Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

#### **NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date:** 06/04/2018

Version #: 3.1

**Source of information:** Internal company data and other publically available resources.

Further Information: Contact supplier (see Section 1)

**Disclaimer:** As the conditions or methods of use are beyond our control, we do not

assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains

the responsibility of the user.