

SAFETY DATA SHEET

© Carlisle Fluid Technologies, Inc.
PRODUCT RELATED HEALTH DATA SHEET

1. IDENTIFICATION

1.1 Product identifier

Product Name : Wet-Sol Plus
 Product Code : Part No. 863009
 Product Description : Upper Packing Lubricant for ARO pumps.
 SDS # : SDS-6 REVISION #: 3.0.2
 CHEMICAL FORMULA: C₂₁H₂₁O₄P.
 CAS NUMBER : 1330-78-5.
 Article Code : Not Applicable.
 GENERAL USE : A clear oil lubricant.
 DATE REVISED: 12/12/2021 DATE PREPARED: 07/16/2016

1.2 Relevant identified uses of the substance or mixture and uses advised against
 Not applicable.

1.3 Details of the supplier of the safety data sheet

Carlisle Fluid Technologies, Inc.
16430 North Scottsdale Road
Scottsdale, AZ 85254

Technical service number 1-888-992-4657

Technical service EuropeTel: +44 (0)1202 571 111

Emergency telephone number

Emergency Number - INFOTRAC
 EMERGENCY PHONE (24 HOURS):
 1-800-535-5053

The National Chemical Emergency Centre (NCEC)
 Deutsche hotline - 0800 7238996 (Kostenfrei innerhalb Deutschlands)
 oder +44 (0)1235 753 148

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Reproductive Toxicity : Category 2
 See Section 16 for the full text of the R phrases or H statements declared above.
 See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms



Signal word

: Warning.

Hazard statements

: H361: Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention

: P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

: P308: If exposed or concerned.
 P313: Get medical advice/attention.

Storage

: P405: Store locked up.

Disposal

: P501: Dispose of contents/container to . IARC - Group 2B carcinogen / WHMIS - Class D2A (carcinogenic) . in accordance with local/regional/national/international regulation (OSHA 1910.107, NFPA 33, 40CFR63 parts 260-262, state AQMD and WQMD, local Waste Management Authority).

Hazards not otherwise classified

: H400: Very toxic to aquatic life.

Supplemental label elements

: Avoid contact with skin and clothing. Wash thoroughly after handling.

Special packaging requirements

Containers to be fitted with child-resistant fastenings : Not applicable.
 Tactile warning of danger : Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components:	CAS#	% Wt
Tricresylphosphate	1330-78-5	100
Substance/mixture	: Mixture.	
Other means of identification	: Not available.	
CAS number/other identifiers		
CAS number	: 1330-78-5.	
Product code	: Not available.	

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Advice : **-If symptoms persist, call a physician.**

EYE CONTACT : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

INHALATION : Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Obtain medical attention.

SKIN CONTACT : Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

INGESTION : Do not induce vomiting. Call a physician or Poison Control Center immediately.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Indication of any immediate medical attention and special treatment needed

Most important symptoms/effects : No information available.
Notes to physician : Treat symptomatically.
 See toxicological information (Section 11)

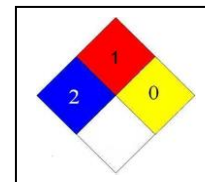
5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media : No information available.

5.2 Special hazards arising from the substance or mixture

Flammability class :
Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.
Flash Point : 234 °C / 453.2 °F.
Autoignition Temperature : > 500 °C / >770 °F.
Sensitivity to Static Discharge : No information available.



Hazards from the substance or mixture : Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Do not allow runoff from firefighting to enter drains or water courses.
Unusual Fire and Explosion Hazards : This material may burn, but will not ignite readily. If the container is not cooled, it can rupture in the heat of a fire.
Hazardous combustion products : Carbon monoxide (CO), Carbon dioxide (CO₂), Oxides of phosphorus.
Note : Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done safely. Avoid spreading burning liquid with water used for cooling purposes.

5.3 Advice for firefighters

Special precautions for fire-fighters

: Evacuate area. Prevent runoff from fire control or dilution from entering streams, or drinking water supply. Use water spray to cool fire exposed surfaces and to protect personnel. When the potential chemical hazard is unknown, self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Special protective equipment for fire-fighters

: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear .

HMIS RATING: See Section 15.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate personnel to safe areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material.

For emergency responders

: Use personal protective equipment. Evacuate personnel to safe areas. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing, take note of any information in Section 8 on suitable and unsuitable materials. Avoid breathing vapor or mist. Wear appropriate respirator when ventilation is inadequate.

6.2 Environmental precautions

: Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Spills into or upon navigable waters, the contiguous zone, or adjoining shorelines that cause a sheen or discoloration on the surface of the water, may require notification of the National Response Center (phone number 800-424-8802).

6.3 Methods and materials for containment and cleaning up

Small spill

: Find the source and stop the spill. Eliminate ignition sources. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. This product may burn but will not ignite readily. Dispose of via a licensed waste disposal contractor.

Large spill

: Not expected with small (< 1 gal) containers.

6.4 Reference to other sections

: Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.

Advice on general occupational

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

: Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container protected from direct sunlight, away from incompatible materials (see Section 10) and food and drink.

7.3 Specific end use(s)

Recommendations

: Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Protect container(s) against physical damage.

Industrial sector specific solutions : Empty containers retain product residue and can be hazardous. Do not reuse container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

INGREDIENT NAME	CAS No.	%	EPOSURE LIMITS
Tricresyl Phosphate	1330-78-5	100	Y (Hazardous) Not established (OSHA PEL TWA) Not established (OSHA PEL STEL) Not established (OSHA PEL CEIL) Not established (ACGIH TLV TWA) Not established (ACGIH TLV STEL) Not established (ACGIH TLV CEIL)

Occupational exposure limits - This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2 Exposure controls

Appropriate engineering controls

: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location contaminants.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal Protection Equipment

Eye/face Protection

: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin / Body Protection

: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Other protective Clothing

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hygienic Practices

: Handle in accordance with good industrial hygiene and safety practice. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before re-using. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm). Data represent typical values and are not intended to be specifications.

Physical state

: Liquid.

Appearance

: Light yellow.

Odor

: No information available.

pH

: No information available.

Melting Point/Range

: -30 °C / -22 °F.

Freezing point

: No data.

Boiling Point/Range

: 265 °C / 509 °F @ 10 mmHg.

Flash point

: 234 °C / 453.2 °F.

Evaporation Rate

: No information available

Flammability (solid,gas)

: Not applicable

Flammability or explosive limits

Upper

: No data available

Lower

: No data available

Vapor Pressure : 0.03 mmHg @ 25 °C
Vapor Density : 12.70
Relative Density : 1.160
Solubility : Insoluble in water
Partition coefficient; n-octanol/water: No data available
Autoignition Temperature : > 500 °C / >770 °F
Decomposition Temperature : No information available
Viscosity : No information available
Molecular Formula : C₂₁H₂₁O₄P
Molecular Weight : 368.36
SPECIFIC GRAVITY (water=1): 1.16 – 1.18 @ 20° C
Pour Point : Not available.
Explosive properties : Not available.
VOC : No data.
Oxidizing properties : Not available.
9.2 Other information : No additional information.

10. STABILITY AND REACTIVITY

10.1 Reactivity : None known, based on information available.
10.2 Chemical stability : Stable under recommended storage conditions.
10.3 Possibility of hazardous Reactions : None under normal processing.
10.4 Conditions to avoid : Incompatible products. Excess heat.
10.5 Incompatible materials : Reactive/incompatible with strong oxidizing agents.
10.6 Hazardous decomposition Products : Carbon monoxide (CO), Carbon dioxide (CO₂), Oxides of phosphorus.
10.7 Hazardous Polymerization : Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

Product Information

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Tricresylphosphate	15750 mg/kg (Rat)	3700 mg/kg (Rabbit)	>11.1 mg/L/1h (Rat)

11.2 Toxicologically Synergistic Products : No information available

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation : No information available.

Sensitization : No information available.

Carcinogenicity : The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IAR	NTP	ACGIH	OSHA	Mexico
Tricresylphosphate	1330-78-5	Not listed	Not listed	Not listed	Not listed	Not listed

11.4 Mutagenic Effects : No information available.

11.5 Reproductive Effects : No information available.

11.6 Developmental Effects : No information available.

11.7 Teratogenicity : No information available.

11.8 STOT - single exposure : None known.

11.9 STOT - repeated exposure : None known.

11.10 Aspiration hazard : No information available.

11.11 Symptoms / effects, both acute and delayed : No information available.

11.12 Endocrine Disruptor Information : No information available.

11.13 Other Adverse Effects : See actual entry in RTECS for complete information.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

The product contains following substances which are hazardous for the environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Component	Freshwater Algae	Freshwater Fish	Micro	Water Flea
Tricresylphosphate	Not listed	4.8 - 6.4 mg/L LC50 96 h 3.2 - 10 mg/L LC50 96 h 20.4 - 41.2 mg/L LC50 96 h 0.1 - 0.22 mg/L LC50 96 h 3.3 - 6.2 mg/L LC50 96 h 0.21 -	Not listed	Not listed

12.2 Persistence and Degradability

Insoluble in water

12.3 Bioaccumulation/ Accumulation

No information available.

12.4 Mobility

Is not likely mobile in the environment due its low water solubility.

13. DISPOSAL CONSIDERATIONS

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

13.1 Waste treatment methods

Methods of disposal

: Disposal can occur only in properly permitted facilities in accordance to local and governmental agencies. Recycle all oil when possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste

: Under the Resource Conservation and Recovery Act (RCRA), it is the user of the material to characterize and determine, at the time of disposal, whether the material is a hazardous waste subject. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authorities. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Refer to federal, state and local requirements for disposal (OSHA 1910.107, NFPA 33, 40CFR63 parts 260-262, state AQMD and WQMD, local Waste Management Authority).

13.2 Packaging

Methods of disposal

: Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

13.3 Special precautions : None known.

14. TRANSPORT INFORMATION

14.1 DOT

UN-No UN2574
Proper Shipping Name TRICRESYL PHOSPHATE
Hazard Class 6.1
Packing Group II

14.2 TDG

UN-No UN2574
Proper Shipping Name TRICRESYL PHOSPHATE
Hazard Class 6.1
Packing Group II

14.3 IATA

UN-No UN2574
Proper Shipping Name TRICRESYL PHOSPHATE



Hazard Class	6.1
Packing Group	II
14.4 IMDG/IMO	
UN-No	UN2574
Proper Shipping Name	TRICRESYL PHOSPHATE
Hazard Class	6.1
Packing Group	II

15. REGULATORY INFORMATION

15.1 All of the components in the product are on the following Inventory lists: X = Listed on International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINC	NLP	PICCS	ENCS	AICS	IECSC	KECL
Tricresylphosphate	X	X	-	215-548-	-		X	X	X	X	X

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule.

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base.

Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

15.2 U.S. Federal Regulations

TSCA 12(b) All components are listed on the TSCA inventory

SARA 313 Not applicable

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act Not applicable

Clean Air Act Not applicable

OSHA Occupational Safety and Health Administration Not applicable

CERCLA Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals

15.3 State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Tricresylphosphate	-	X	-	-	-

15.4 U.S. Department of Transportation

Reportable Quantity (RQ): N



DOT Marine Pollutant N
DOT Severe Marine Pollutant Y

15.5 U.S. Department of Homeland Security - This product does not contain any DHS chemicals.

15.6 Other International Regulations

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR

WHMIS Hazard Class D2A Very toxic materials

15.7 HMIS RATING: Health 2, Flammability 1, Reactivity 0

15.8 NFPA RATING: Health 2, Flammability 1, Reactivity 0

<h2>16. OTHER INFORMATION</h2>

16.1 Full text of abbreviated H statements : None.

16.2 Full text of classifications : None.

16.3 Full text of abbreviated R phrases : None.

16.4 Full text of classifications [DSD/DPD] : None.

16.5 SDS PREPARED BY: Director of Chemical Safety

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, Carlisle Fluid Technologies, Inc., dba Finishing Brands makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will Carlisle Fluid Technologies, Inc., dba Finishing Brands be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

16.6 DATE REVISED: 12/12/2021 REVISION #: 3.0.2

*** END OF SDS ***