QUALICE LLC
QUALITY CPAR SERVICE

SAFETY DATA SHEET

CPAR 70 [Global Version]

1. IDENTIFICATION

Product Identifier: CPAR 70 [Global Version] (70% chlorine by weight) SDS No.: 553-GLO-QLC

Other Means of Identification: Paraffin waxes and Hydrocarbon waxes, chloro, vLCCP

CAS #:

63449-39-8	Paraffin waxes and Hydrocarbon waxes, chloro	(Global except USA)
1401974-24-0	Alkanes, C_{22-30}-branched and linear, chloro	(USA)

Recommended Use: Industrial Use Only

Restrictions on Use: One or more components in this material are approved for specific commercial use(s) under a U.S. EPA TSCA Significant New Use Rule or Consent Order. Approved uses include: Flame retardant and plasticizer in polymers. Flame retardant, plasticizer and lubricant in adhesives, caulks, sealants, and coatings. Additive in lubricants including metalworking fluids. Flame retardant and plasticizer in rubber. Flame retardant and waterproofer in textiles.

Uses Advised Against: No other use is permitted but what is listed in Restrictions on Use.

Supplier Information:

Qualice, LLC
PO Box 1169
11 EV Hogan Drive
Hamlet, NC, 28345, USA
(910) 419-6589

Emergency Contact: **(For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident)**

CHEMTREC (U.S. and Canada) 1-800-424-9300
CHEMTREC (Outside the U.S.) 1-703-527-0585

2. HAZARDS IDENTIFICATION

GHS Classification	This product does not have health or physical hazards that meet the classification criteria under the OSHA Hazard Communication GHS scheme. This product does not have health, physical, or environmental hazards that meet the classification criteria under the United Nations (UN) GHS scheme.
Signal Word	None
GHS Hazard Statement	None
GHS Precautionary Statements	None; however manufacturer recommends to: • P273 – Avoid release to the environment. • P501 – Dispose of contents/package in accordance with government regulations and manufacturer instructions in Section 13 of this SDS.

Hazards Not Otherwise Classified: None
Physical Hazards Not Otherwise Classified: None
Health Hazards Not Otherwise Classified: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	Synonyms	CAS Number	% by Weight
Paraffin waxes and Hydrocarbon waxes, chloro (Alkanes, C_{22-30}-branched and linear, chloro)	Very Long-Chain Chlorinated Paraffin, vLCCP	63449-39-8 Global 1401974-24-0 USA	98.0
Epoxidized Soybean Oil (Stabilizer)*	ESO	8013-07-8	2.0

* The stabilizer does not contribute to the hazard classification of this product.

4. FIRST AID MEASURES

Inhalation	Move to fresh air. Get medical attention, if needed.
Eye Contact	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation develops or persists, get medical attention.
Skin Contact	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion	Have victim rinse mouth thoroughly with water. Do not induce vomiting without medical advice. If ingestion of a large amount does occur, seek medical attention.
Most Important Symptoms/Effects, Acute and Delayed	Repeated or prolonged exposure may cause slight irritation of eyes. Inhalation of dusts in high concentration may cause irritation of the respiratory system.
Indication of Immediate Medical Attention or Special Treatment	This product does not have health hazards that require special first aid measures. If you feel unwell, seek medical advice (show the label or SDS where possible).
Notes to Physician	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water Fog, Dry Chemical, Foam.
Unsuitable Extinguishing Media	None known.
Specific Hazards Arising From the Chemical	Irritating and toxic gases or fumes may be released during a fire. May burn, but does not ignite readily.
Hazardous Combustion Products	Hydrogen chloride, carbon oxides, phosgene, chlorine.
Protective Equipment and Precautions for Firefighters	In event of fire, wear self-contained pressure-demand breathing apparatus with full protective gear.
Fire Fighting Equipment/Instructions	Use standard fire-fighting tactics for ordinary combustibles.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Keep unnecessary personnel away. Ensure adequate ventilation. Use personal protective equipment.
Methods for Containment	ELIMINATE ignition sources (no smoking, flares, sparks or flames in immediate area). Clean up immediately to prevent dispersion by wind or cover with plastic until cleanup is performed. Prevent this material from contaminating soil or from entering sewage and drainage systems that lead to waterways.

Methods for Cleaning Up Spills	Wear appropriate protective equipment and clothing during clean-up. Avoid generation of dust during cleanup. Should not be released into the environment.
Large Spills	Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Vacuum or sweep up material and place in disposal container.
Small Spills	Wipe up with cloth or vacuum. Wipe surface thoroughly to remove residual dust.
Environmental Precautions	Prevent further spillage if safe to do so. Do not let product enter drains. Do not contaminate water.
Other Information	Never return spills in original package for re-use. For waste disposal, see Section 13.

7. HANDLING AND STORAGE

Precautions for Safe Handling	DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Avoid prolonged or repeated skin contact with this material. Wash hands after handling and before eating. Avoid breathing dust. Wear personal protective equipment. Avoid release to the environment. Handle and open package with care to minimize dust dispersion.
Conditions for Safe Storage, including incompatibilities	Keep away from heat, sparks, and flame. Store in a cool dry place. Keep package closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Dust Standard – 15 mg/m^3

Exposure Limits for this specific product have not been established. Avoid repeated or prolonged exposure to dust without appropriate respiratory protection.

Engineering Controls: Under normal conditions of use, natural ventilation should effectively remove and prevent concentration buildup of any dust generated from the handling of this product.

Personal Protective Equipment:

Eye / Face Protection	Wear safety glasses with side-shields.
Skin Protection	Normal work clothing (long sleeved shirts and long pants) is recommended. If contact is likely to occur, manufacturer recommends nitrile gloves (ex: N-DEX Nitrile).
Respiratory Protection	No personal respiratory protective equipment is normally required. If dust is generated and engineering controls are not sufficient, wear NIOSH-certified particulate filtering facepiece (N95 or better).
Hygiene Considerations	Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

Protective Measures: There are no additional protective measures during repair and maintenance of contaminated equipment.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Off white colored powder
Physical State:	Solid (powder)
Odor:	None
Odor Threshold:	Not applicable
pH:	Not applicable
Melting / Freezing Point:	120 °C (softening point)
Boiling Point:	Not applicable

Boiling Point Range	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	Not applicable
Flammability:	Will decompose if involved in fire conditions
Flammability limits in Air, Lower and Upper % by Volume:	Not applicable
Auto-Ignition Temperature:	Not applicable
Vapor Pressure:	40.93 @ 25 °C (kPa)
Vapor Density:	Not available
Volatility: (% Loss, 25 hours)	Not available
Relative Density (Specific Gravity)	1.63 @ 25 °C
Density	Not applicable
Bulk Density (lbs/gal):	Not available
Solubility (in water):	Very low. <0.0000066 g/l @ 20 °C
Partition Coefficient: (n-octanol/water)	See Section 12
Decomposition Temperature:	Liberates HCl at < 200 °C
Viscosity SUS @ 210 °F	Not applicable
Viscosity Poises @ 77 °F	Not applicable
Stability:	Not available
Saturated Vapor Concentration:	Not applicable
Molecular Formula:	$C_nH_{2n+2-y}Cl_y$ n=22-30
Molecular Structure:	$CH_3(CH_2CHCl)_8CH_2CHClCH_2CHClCH_2CH_3$ (representative)
Flash Point Class:	Not applicable
Oxidizing Properties:	None

10. STABILITY & REACTIVITY

Reactivity	Not reactive.
Chemical Stability	Stable at normal conditions.
Possibility of Hazardous Reactions	Will not occur.
Conditions to Avoid	High temperatures.
Incompatible Materials	Strong oxidizing agents, reducing agents.
Hazardous Decomposition Products	Carbon oxides, hydrogen chloride gas. Thermal decomposition can lead to release of irritating gases and vapors.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure	Skin contact, eye contact, inhalation, ingestion (skin is predominant route of exposure in workplace).
Signs and Symptoms of Exposure	Repeated or prolonged exposure to dust may cause irritation of eyes. Inhalation of dusts in high concentration may cause irritation of respiratory system.

Acute or Delayed Effects:

Eyes	Prolonged contact of dust with eyes may cause slight irritation.
Skin	Non-irritant.
Inhalation	Prolonged or repeated inhalation of dust may cause slight irritation of respiratory tract. Avoid breathing dusts of this product.
Ingestion	Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

Chronic Effects from Short and Long Term Exposure:

Specific Target Organ Toxicity	No data available.
Respiratory or Skin Sensitization	No data available.
Mutagenicity (germ cell)	No data available for this product, but it is predicted that vLCCPs are not mutagenic
Reproductive Effects	No effects on fertility is expected.
Carcinogenicity	The components in this product are not listed by or considered to be a carcinogen by IARC, NTP, OSHA, or ACGIH.
Endocrine Disruption	No data available.

Toxicology Studies:

Acute Toxicity	Low acute toxicity has been observed for inhalation or dermal routes:
LOAEL, Rat, oral, 90 day	3,750 mg/kg/day for $C_{20\text{-}26}$ 70% Cl (increase in liver weight, kidney nephritis)
NOAEL, Rat, oral, 14 day	15,000 ppm. No compound-related effects were found in either male or female rats.
NOAEL, Rat, oral, 90 day	900 mg/kg/day for $C_{20\text{-}26}$ 70% Cl
NOAEL, Rat	5,000 mg/kg/day for maternal and developmental toxicity

12. ECOLOGICAL INFORMATION

There is no specific ecological information for this product. Information provided below is representative of the carbon chain range and percent of chlorination in the product.

Ecotoxicity	Ecologically significant impacts may have potential to occur if released to water and sediment. Although there is no established acute aquatic toxicity for this product, they may cause long lasting harmful effects to aquatic life due to studies that they do not readily biodegrade and may therefore persist in the environment.
Aquatic Toxicity	• $C_{>20}$, 70% wt. Cl, 96h LC50 >300 mg/l, Bluegill Sunfish, Rainbow Trout (Oncorhynchus mykiss).
Terrestrial Toxicity	No data available.
Persistence and Degradability (Environmental Fate)	• Unlikely to be readily or inherently biodegradable. Assumed that it could be potentially persistent, as a result. • No data available on degradation in soil or fate in atmosphere. • Atmospheric half-life is estimated to be 11 hours.
Bioaccumulative Potential	Not considered to be bioaccumulative.
Mobility in Soil	No data available.
Other Adverse Effects	Ozone Depletion Potential: Not determined Endocrine Disrupting Potential: Not determined Global Warming Potential: No

Partition Coefficient (n-octanol/water)	Log K_{ow} = 10.3 is representative value Koc = 2.77×10^8 l/kg is representative value
BCF	BCF for vLCCPs is considered to be <2,000 l/kg. Thus it is extrapolated that vLCCPs are unlikely to meet the bioaccumulative criteria as well.

13. DISPOSAL CONSIDERATIONS

Waste Codes: Waste codes should be assigned by the user based on the application for which the product was used.

Disposal Instructions: Collect and reclaim or dispose in sealed packages at licensed waste disposal site. Do not allow this material to enter into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)).

Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

Waste from Residues and Unused Products: Dispose of in accordance with local regulations.

Contaminated Packaging: Do not re-use empty packages for other substances. Empty packages should be taken to an approved waste handling site for recycling or disposal or returned to the manufacturer.

14. TRANSPORT INFORMATION

DOT (United States) Not regulated as hazardous material.

TDG (Canada) Not regulated as dangerous goods.

IMDG (Water) Not regulated as dangerous goods.

IATA (Air) Not regulated as dangerous goods.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

OSHA: This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

DEA: Not regulated.

CERCLA Reportable Quantity (RQ) per 40 CFR 302.4: Not listed.

SARA 302: Extremely Hazardous Substance: Not listed.

SARA 311/312 Hazardous chemical: No

Superfund Amendments and Reauthorization Act of 1986 (SARA): Hazard categories: Not applicable.

SARA 313 (TRI reporting): Not regulated.

EPA High Production Volume List: No

STATE REGULATIONS

California: This product does not contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

CANADA

CEPA Schedule 1 List: No for these products. Yes, for Chloroalkanes C_{10} – C_{20}

WHMIS: Not controlled.

INVENTORY STATUS FOR

Paraffin waxes and Hydrocarbon waxes, chloro (CAS No. 63449-39-8)
Epoxidized Soybean Oil (CAS No. 8013-07-8)

Country	Inventory name		On inventory (yes/no)*
Australia	AICS	Australian Inventory of Chemical Substances	Yes
Canada	DSL	Domestic Substances List	Yes
Canada	NDSL	Non-Domestic Substances List	No
China	IECSC	Inventory of Existing Chemical Substances in China	Yes
Europe	EINECS	European Inventory of Existing Commercial Chemical Substances	Yes
Europe	ELINCS	European List of Notified Chemical Substances	No
Japan	ENCS	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	ECL	Existing Chemicals List	Yes
Mexico	INSQ	National Inventory of Chemical Substances	Yes
New Zealand	NZIoC	New Zealand Inventory	Yes
Philippines	PICCS	Philippine Inventory of Chemicals and Chemical Substances	Yes
Taiwan	NECI	National Existing Chemical Inventory	Yes
United States & Puerto Rico	TSCA	Toxic Substances Control Act Inventory	Yes
United States**	TSCA	Toxic Substances Control Act Inventory (USA uses different CAS no.) CAS No. 1401974-24-0 for Alkanes, C_{22-30}-branched and linear, chloro	Yes

* "Yes" indicates that all components of this product comply with the inventory requirements of the governing country(s).

** (Please note additional CAS no. for USA)

CHEMICAL SAFETY ASSESSMENT

No Chemical Safety Assessment has been carried out for this substance by the supplier.

16. OTHER INFORMATION

NFPA Rating:

Health:	1
Flammability:	1
Instability:	0

HMIS® Rating:

Health:	1
Flammability:	1
Physical Hazard:	0
Personal Protection:	B

HMIS® is a registered trade and service mark of the American Coatings Association

ACRONYMS:

ACGIH	American Conference of Governmental Industrial Hygienists
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CEPA	Canadian Environmental Protection Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (Superfund)

CFR	Code of Federal Regulations
CHEMTREC	Chemical Transportation Emergency Center
DOT	United States Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System
IARC	International Agency for Research on Cancer
IMDG	International Maritime Dangerous Goods
K_{oc}	The value of Koc indicates where a chemical is likely to end up - surface water or ground water. For example, a chemical with large Koc values tend to adsorb onto soil and has potential for contaminating surface water.
LC_{50}	Lethal Concentration - median dose at which 50% of test animals die from inhalation
LOAEL	Lowest Observed Adverse Effect Level
Log K_{ow}	Octanol-Water Partition Coefficient. The higher the number, the more bioavailable (prefers partitioning into soil organic matter rather than water).
NFPA	National Fire Protection Association
NOEC	No Observable Effects Concentration
NOAEL	No Observed Adverse Effect Level
NTP	Normal Temperature and Pressure: 760 mmHg and 20ºC or 1 atm and 68º F
NTP	National Toxicology Program
OSHA	Occupational Health and Safety Administration
RCRA	Resource Conservation and Recovery Act
SARA	US EPA Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet (formerly known as MSDS – Material Safety Data Sheet)
TDG	Transport of Dangerous Goods (Canada)
TRI	Toxics Release Inventory (US EPA)
TSCA	Toxic Substances Control Act
US or USA	United States of America
vLCCP	Very Long Chain Chlorinated Paraffin
WHMIS	Workplace Hazardous Materials Identification System (Canada)

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. The information in the sheet was written based on the best knowledge and experience currently available.

Version 3 Date:	February 12, 2018		
Revision History:	01-25-16	Initial Global Version	
	08-18-17	Sections 1, 3, 15:	Added CAS Number for USA
		Section 1:	Revised Product Use information
		Section 8:	Added Protective Measures
		Section 12:	Added Other Adverse Effects
		Section 15:	Added Chemical Safety Assessment information
	02-12-18	Section 15:	Added ESO to Inventory Status

Technical contact for SDS: 910-419-6566 (EHS and Regulatory Compliance)