



SUNTEK CHLORIDES PRIVATE LIMITED

SAFETY DATA SHEET

CHLORINATED PARAFFIN PLASTICIZER

Ref: SDS/SUNTEK/NHZ/CP
Revision-1/ Sept, 2021**1. IDENTIFICATION**

Trade Marks and Synonyms (if any)	SUNTEK Chlorinated paraffin (Chlorination: 40-70 %),
Chemical Names and Synonyms	Chlorinated Paraffin Wax, Chlorinated paraffin plasticizer
Grades	1200/1300/1400/1480
Physical Form	Amber to light pale yellow, almost clear/viscous liquid having slight characteristic odour
Molecular Formula	$[C_n H_{(2n+2-m)} Cl_m]$ where $n=14$ to 17 , $m \leq 6$
CAS Number	63449-39-8
Manufacturer/Supplier	Suntek Chlorides Private Ltd.
Information Dept.:	Sales & Marketing Department, Suntek Chlorides Private Ltd. Ranibagh, Pitampura, Delhi-110034 www.thesuntek.com

Emergency No.

Telephone: 1800-1200-09181

• Application of the Product / the Preparation:-

- Use in the production of PVC - plastisol coating.
- Use in the production of PVC – extrusion/other.
- Use in the production of plastic/rubber.
- Use in Sealants & Adhesives
- Formulation of paints and industrial application of paints.
- Formulation and use in metal cutting/working fluids
- Formulation and use in leather fat liquors.
- Recycling of carbonless copy paper.

2 INFORMATION ON MAJOR INGREDIENTS

Chemical Name	Chlorinated Paraffin Plasticizer, Chlorinated paraffin wax
CAS Number	63449-39-8

3. HAZARD IDENTIFICATION

3.1 Classification and labelling according to CLP:

3.1.1 Classification according to Regulation (EC) No 1272/2008[CLP]:

Hazard Class & Category Code(s)	Hazard Statement Code(s)	Hazard Statement Phrase (s)
Lact.	H362	May cause harm to breast-fed children
Aquatic Acute 1	H400	Very toxic to aquatic life
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects

3.1.2 Classification:

Classification	Risk Phrases	Safety Phrases	Indication(s) of danger
<u>For Health Effects</u>	R64	2	May cause harm to breastfed babies.
	R66	24	Repeated exposure may cause skin dryness or cracking.
<u>For Environment</u>	N:R50/53	60	Dangerous for the environment;
Effects		61	Very toxic to aquatic organisms and may cause long term Adverse effects in the aquatic environment.

*N-Dangerous for the environment

3.1.3 Risk Phrases:

- **N;R50/53:** Very toxic to aquatic organisms and may cause long-term adverse effects in the Aquatic environment.
- R64:- May cause harm to breastfed babies.
- R66:- Repeated exposure may cause skin dryness or cracking.

Safety Phrases:

- S2: Keep out of the reach of children.
- S24: Avoid contact with skin.
- S60: This material and its container must be disposed of as hazardous waste.
- S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

Information concerning particular hazards for human and environment:

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

3.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

Hazard pictogram:

Single Word: Warning

GHS09: environment

Hazard Code(s)	Hazard Statement(s)
H362	May cause harm to breast fed children
H410	Very toxic to aquatic life with long lasting effects
Suppl. Hazard statement Code(s)	EUH066: Repeated exposure may cause skin dryness or cracking

3.3 Other Hazards:**3.3.1 Precautionary Statements:**

- P260:- Do not breathe dust/fumes/gas/mist/vapours/spray.
- P263:- Avoid contact during pregnancy/nursing.
- P264:- Wash with soap and water thoroughly after handling.
- P270:- Do not eat, drink or smoke when using this product.
- P273:- Avoid release to the environment.
- P308 + P313:- If exposed or concerned, get medical advice/attention.

- P391:- Collect spillage.
- P501:- Dispose of contents/container in accordance with local/regional /national/ international regulations.

3.3.2 Result of PBT and vPvB assessment

- PBT : Not applicable
- vPvB: Not applicable

4 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour	Clear, Pale yellow mobile – viscous liquid, low
pH (10% aqueous solution)	6.0 – 7.0
Chlorine Content	About 51% m/m
Specific gravity at 25 °C	1.10 – 1.45 @ 25°C
Boiling Point	>200, Decomposes below boiling point
Freezing Point	Data not available
Flash Point (deg. C)	None
Auto ignition (deg. C)	None
Flammable Limit	UEL: Not Applicable LEL: Not Applicable
Vapour Pressure (mm Hg)	Not Applicable
Decomposition Temperature	Above 160 °C
Solubility in Water	Insoluble
Solubility in Organic Solvents	Soluble in most aromatic hydrocarbons , chlorinated solvents , esters and ketones
Pour Point (Deg C)	-40 to +27

5 STABILITY AND REACTIVITY

Stability	As supplied, It is stable at normal temperatures and pressures. Nonflammable under fire conditions
Conditions to avoid	Strong oxidizing agents, heat and hot surfaces.
Material to avoid	Alkali metals and alkaline earth metals which have a strong affinity for chlorine. Can react with iron, zinc and aluminum at high temperatures leading to decomposition. Material tends to soften or swell most rubbers.
Reactivity	
Air	No Reaction

Water	No Reaction
Acids	Contact with mineral acids can lead to degradation
Alkalis	Reacts with alkaline or alkaline earth metals, which have a strong affinity for chlorine.
Hazardous Decomposition Products	Prolonged heating at temperatures in excess of 70°C or heating above 200°C for short periods will result in decomposition and liberation of hydrogen chloride.

6 TOXICITY DATA

Short term effects when:

In contact with skin	Repeated exposure may cause skin dryness and cracking. Unlikely to be hazardous by skin absorption.
In contact with eyes	By analogy with a similar substance this material is likely to cause slight eye irritation.
Inhaled	Not volatile at room temperature. Inhalation is not a likely route of exposure at normally encountered temperatures.
Ingestion	Ingestion of large amounts of chlorinated paraffin's may cause intestinal obstruction. Repeated exposure to high levels may result in liver or kidney damage.
Acute Oral Toxicity (Rats)	LD ₅₀ >4000 mg/kg
Chronic Toxicity	Not Available
Carcinogenic Toxicity	No data is available on the carcinogenicity of chlorinated paraffins to humans
Mutagenic Toxicity	Studies for mutagenicity were negative.
Reproductive Toxicity	No information is available.

7 FIRST AID MEASURES

Skin Contact	Remove contaminated clothing and wash affected area with sufficient quantity of soap and water for 15-20 minutes
Eye Contact	Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.
Inhalation	Remove patient from exposure, keep warm and at rest.

Ingestion	Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink.
Further Medical Advice	If in doubt, seek medical attention.

8 FIRE AND EXPLOSION HAZARD DATA

Fire Extinguishing Data	It is nonflammable. Use extinguishing media suitable for surrounding fire. Heating will emit fumes. Water spray, foam, carbon dioxide or dry powder may be used. Keep containers cool with copious amounts of water.
Would any material saturated with this product be subject to spontaneous combustion?	No
Fire Fighting Protective Equipment	Wear full protective clothing
Unusual Fire and Explosive Hazards	During a fire in which this material is involved, hydrogen chloride (HCl) may be liberated.

9 PERSONAL PROTECTION

General Precautions	Eye and skin protection should be used when Handling C14-17 chlorinated paraffin
Ventilation Requirements	None
Respiratory Protection	Not normally required.
Protective Clothing	Protective overall, Polythene gloves, Hard hat, Acid resistant boots
Eye Protection	Goggles or full-face mask.

10 HANDLING AND STORAGE

Handling	Avoid contact with eyes. Avoid prolonged skin contact. Provide adequate ventilation where operational procedures demand it. Do not allow to enter drains, sewers or watercourses.
Storage	Keep only in original container at temperatures not exceeding 40°C. Keep containers dry. Keep away from direct sunlight. Storage vessels should be made of lined mild steel

11 SPILLAGE/ACCIDENTAL RELEASE

Small Spillage	Absorb or contain liquid with sand or clay for disposal. Put leaking containers in a labeled drum. Wash spill area with large volumes of water.
Large Spillage	Transfer or pump to a labeled, sealable container for product recovery or safe disposal. Wash spills area with large volumes of water and allow to drain it into waste treatment system. Collect liquid either by pumping into an emergency. Do not allow entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.
Personal Precautions	Wear full protective clothing.
Environmental Precautions	Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers and inform relevant authorities.

12 WASTE DISPOSAL

Waste Disposal	This material and/or its container must be disposed of as hazardous waste. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Disposal should be in accordance with local , state or national legislation
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13 ENVIRONMENTAL INFORMATION

Bio - Accumulation	No relevant data is available.
Biodegradability	The product is partially removed in biological treatment processes. Biodegradation appears to occur under both aerobic and anaerobic conditions, but the data is poor.
Toxicity	A representative C14-17 chlorinated paraffin has been shown to be toxic to daphnia in laboratory studies. It showed a low level of toxicity to another aquatic invertebrate species (gammarus) and to fish and algae. Toxicity to aquatic species: Daphnia magna 48 hr EC ₅₀ = 0.006 mg/l
Mobility	If released into water the product will sink. The product is in volatile and insoluble and will accumulate on the ground.

14 REGULATORY INFORMATION

Danger Symbol	NA
Risk Phrases	<p>R40/R20/R22: Harmful: possible risk of irreversible effects through inhalation and if swallowed.</p> <p>R36: Irritating to eyes</p> <p>R50/53: Very toxic to aquatic organisms, may cause long term adverse effects</p> <p>R64: May cause harm to breast feed babies</p> <p>R66: Repeated exposure may cause skin dryness or cracking</p>
Safety Phrases	<p>S1/2: Keep locked up and out of the reach of children.</p> <p>S24/25: Avoid contact with skin and eyes.</p> <p>S23: Do not breathe gas/flumes/vapour/spray.</p> <p>S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.</p> <p>S45: In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible)</p> <p>S60: Material and its container must be disposed of as hazardous waste</p> <p>S61: Avoid release to the environment</p>

15 TRANSPORT INFORMATION

UN No.	NA
EC No:	NA
PROPER SHIPPING NAME	CHLORINATED PARAFFIN WAX
PACKAGING GROUP	III

16 OTHER INFORMATION**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.

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