

SUNTEK CHLORIDES PRIVATE LIMITED



SAFETY DATA SHEET

CHLORINATED PARAFFIN

Ref: SDS/SUNTEK/CP
Revision Date: Rev-0 /Aug, 2021

1. IDENTIFICATION OF SUBSTANCE

Trade Name	SUNTEK (Chlorination: 40-70%),
Chemical Names and Synonyms	Chlorinated paraffin, C10-C13 chlorinated paraffin, Chlorinated Alkanes C10-C13, Chlorinated Paraffin Wax
Physical Form	Light pale yellow, Water White almost clear/viscous liquid having slight characteristic odour
Grades	1100/1200/1300/1400/1480
Molecular Formula	$[C_nH_{(2n+2-m)}Cl_m]$ where $n=10$ to 13 , $m \leq 6$
Manufacturer Name & Address	Suntek Chlorides Private Ltd. : At 4 different locations (KG Ind, Manav Chemicals, Madan Chemicals & Suntek)
Information department	Sales & Marketing Department, Suntek Chlorides Private Ltd. Ranibagh, Pitampura, Delhi-110034 www.thesuntek.com
Emergency information	Telephone: 1800-1200-09181
Applications	Use in the production of PVC - plastisol coating, PVC – extrusion/other, plastic/rubber. Formulation of paints and industrial application of paints, use in metal cutting/working fluids, leather fat liquors.

2. INFORMATION OF MAJOR INGREDIENTS

Name	C10-13 chlorinated Paraffin
Purity	100 %
CAS No	85535-84-8
Formula	$[C_nH_{(2n+2-m)}Cl_m]$ where $n=10$ to 13 , $m \leq 6$

3. HAZARD IDENTIFICATION**3.1 Classification and labelling according to CLP/GHS:****Classification according to Regulation (EC) No 1272/2008:**

Lact.:- May cause harm to breast-fed children	H362
Aquatic Chronic 1- Toxic to aquatic life with long lasting effects	H410

3.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008

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

Signal Word Warning

Hazard pictogram:



Hazard Statements
 H362 May cause harm to breast-fed children.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention	P263 Avoid contact during pregnancy/while 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.
Response	P260 Do not breathe fume/gas/mist/vapors/spray.
	P308 + P313 IF exposed or concerned: Get medical advice/ attention.
	P391 Collect spillage
Disposal	P501 Dispose of contents/container in accordance with local / regional / national / international regulations
Supplemental hazard statement	EUH066: Repeated exposure may cause skin dryness or cracking.

4 FIRST AID MEASURES

4.1 Description of first aid measures

General Information	If the user feels unwell, medical advice should always be sought immediately
Inhaled:	Remove victim from exposure to fresh air. Keep warm and at rest. If rapid recovery does not occur, seek medical advice immediately.
Skin:	Remove contaminated clothing. Wash with plenty of soap and water. If irritation persists, seek medical advice.
Eye	Flush eyes with water holding eyelids open, for at least 10 minutes. If irritation persists, seek medical advice
Swallowed	Do not induce vomiting. Wash mouth out with clean water. If vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Seek medical advice immediately
Advice to Doctor	Treat symptomatically based on individual reactions of patient and judgment of doctor

4.2 Most important symptoms and effects, both acute and delayed

Skin:	Weak irritation. Contact with the hot product may cause thermal burn
Eye	Lacrimation
Inhaled	If high concentrations of aerosol inhaled-scratch in the throat, cough, rhinorrhea
Pre-oral intoxication (by Ingestion)	Sickness, cough, rhinorrhea

4.3 Further medical treatment

Unlikely to be required but if necessary treat symptomatically

5 FIRE FIGHTING MEASURES

Flammability	It is nonflammable
Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). Keep containers cool with copious amounts of water.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture	No further relevant information available.
Advice for fire-fighters	During a fire in which this material is involved, hydrogen chloride (HCl) may be liberated. If safe to do so, remove containers from path of fire.
Protective equipment	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedure

Advice for non-emergency personnel: Restrict access to contaminated area until completion of clean up as spillage may be slippery.

Advice for emergency responders

- Evacuate personnel to safe areas.
- Prevent further leakages and spillages, if it is safe to do.
- Avoid contact with incompatible substances.
- Adsorb spillages onto sand, earth or any other suitable adsorbent material.
- Work up wind or increase ventilation.
- Wear suitable protective clothing to prevent skin and eye contact.
- Avoid breathing in vapours.

6.2 Environmental Precautions

- Avoid release to the environment.
- Restrict spillage with absorbent material.
- Do not flush into surface water or sanitary sewer system or drains.
- Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and materials for containment and clean up

- Deactivating chemicals not required.
- Absorb any spillage with sand or earth or similar absorbent materials.
- Collect and shovel into suitable containers for disposal.
- Keep in properly labelled containers.

7 HANDLING AND STORAGE

Precautions for safe handling	<ul style="list-style-type: none"> • 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.
Conditions for safe storage, including any incompatibilities	
Safe Storage	<ul style="list-style-type: none"> • Keep only in original container at temperatures not exceeding 40 ° C. • Keep container dry. • Keep away from direct sunlight.
Substances incompatible at storage	Oxidizers, acids, alkalies
Packaging material	<ul style="list-style-type: none"> • Suitable material:-Storage vessels should be made of lined mild, polyethylene containers. • Unsuitable material:-Rubber
Specific use(s)	For further information, please contact: Supplier

8 PERSONAL PROTECTION

Control Parameters	No information available
Exposure controls	
Appropriate engineering controls	Ensure adequate ventilation. Apply technical measures to comply with the occupational exposure limits.
Individual protection measures	
Eye Protection	Safety glasses with side shields are recommended to prevent eye contact. Face shield and chemical goggles should be worn where mist or spray may be generated or where the product is heated.
Skin and body protection	If prolonged or excessive skin contact is likely: Wear suitable protective clothing and gloves.
Hands protection:	Good working practice suggests gloves should be worn.
Respiratory Protection	Half-face respirator equipped with a combination filter and cartridge for acid gas and a high efficiency particulate filter.

Hygiene measures:	<ul style="list-style-type: none"> • Wash hands thoroughly before meals. • Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Dispose of rinse water in accordance with local and national regulations.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour	Clear, Pale yellow mobile – viscous liquid, low
pH (10% aqueous solution)	6.0 – 7.0
Chlorine Content	40 – 70 %
Specific gravity at 25°C	1.05– 1.50 @ 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

10 STABILITY AND REACTIVITY

Reactivity:	Can react with alkali materials and alkaline earth metals which have a strong affinity for chlorine. Can react with iron, zinc, Aluminium at high temperatures leading to decomposition.
Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None.
Conditions to avoid:	Strong oxidizing agents. Long term exposure of light, heat and hot surfaces. Mid Chain Chlorinated Paraffin's tend to soften or swell most rubbers.

Incompatible materials	Strong oxidizing and reducing agents.Strong alkalineAlkali metals and alkaline earth metals (those with a strong affinity for chlorine). Iron, Aluminium and zinc at high temperatures (which will catalyzedecomposition).
Hazardous Decomposition Products (s)	Prolonged heating at temperatures in excess of 70 °C or heating above 200 °C for short periods of time result in decomposition and liberation of hydrogen chloride and chlorine compounds.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	LD50 > 4000 mg/kg bw (rat)
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.
Chronic Toxicity	Not Available
Carcinogenic Toxicity	No data is available on the carcinogenicity of chlorinated paraffin's to humans
Mutagenic Toxicity	Studies for mutagenicity were negative.
Reproductive Toxicity	No information is available.

12 ECOLOGICAL INFORMATION

Eco-toxicity	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 EC50 = 0.006 mg/l.
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Persistence/Degradability	Not readily biodegradable
Bio accumulative potential	Has the potential for bioaccumulation.
Mobility	If released into water the product will sink. The product is in volatile and insoluble and will accumulate on the ground.
PBT and vPvB assessment	Chlorinatedparaffin's do not fulfill the PBT or the vPvB criteria.

13 DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice. This material and/or its container must be disposed of as hazardous waste.

14 TRANSPORT INFORMATION

Label



Land Transport (ADR/RID)

UN Number	UN3082
UN proper shipping Name	Environmentally hazardous Substance, Liquid, N.O.S (Chlorinated Paraffin, C ₁₀ -C ₁₃)
Hazard class:	9
Hazard label:	9
Packaging group	III
Special Provision	No data available

Inland Waterway Transport (ADNR)

UN Number	UN3082
UN proper shipping Name	Environmentally hazardous Substance, Liquid, N.O.S (Chlorinated Paraffin, C ₁₀ -C ₁₃)
Hazard class:	9
Hazard label:	9
Packaging group	III
Special Provision	No data available

Sea Transport (IMDG)

UN Number	UN3082
UN proper shipping Name	Environmentally hazardous Substance, Liquid, N.O.S (Chlorinated Paraffin, C ₁₀ -C ₁₃)
Hazard class:	9
Hazard label:	9
Packaging group	III
Marine Pollutant	Yes
EmS No.	F-A, S-F

Air transport (ICAO/IATA)

UN Number	UN3082
UN proper shipping Name	Environmentally hazardous Substance, Liquid, N.O.S (Chlorinated Paraffin, C ₁₀ -C ₁₃)
Hazard class:	9
Hazard label:	9
Packaging group	III

15 REGULATORY INFORMATION**15.1 Safety, Health & Environmental Regulation/Legislation specific for the substance or mixture**

Regulation (EC) No. 1272/2008 of the EP and of the Council concerning Classification, Labelling and Packing of Substances and Mixtures (CLP).

15.2 Chemical Safety assessment:

Chemical safety assessment has been carried out for this substance.

16. OTHER INFORMATION

None

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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