

SWASTIK PLASTICIZER AND PVC PIPES INDORE PVT. LTD.

MATERIAL SAFETY DATA SHEET

SWACHLOR -52

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Chlorinated Paraffin

1. IDENTIFICATION

Trade Marks and Synonyms (if any) C14-17 chlorinated paraffin (containing < 1% C10-13)
(chlorination: 40-63%), SWACHLOR H GRADE

Chemical Names and Synonyms Alkanes , C14-17 , chloro

Chlorinated Paraffin Wax

Physical Form Amber to light pale yellow, almost clear/viscous liquid having
slight characteristic odour

Molecular Formula $[C_nH_{(2n+2-m)}Cl_m]$

where $n=14$ to 17 , $m\sim 6$

Manufacturer Name & Address SWASTIK PLASTICIZER& PVC PIPES INDORE PVT.LTD
(PLOT NO.23/24, SECTOR-02 , PITHAMPUR INDUSTRIAL AREA DISTRICT DHAR
(M.P) -454775 INDIA

Telephone - +91 9425319451

Responsible Person Safety Officer;

SWASTIK PLASTICIZER& PVC PIPES INDORE PVT.LTD. PLOT NO.23/24 , SECTOR-02
PITHAMPUR DISTRICT DHAR (M.P)

2. INFORMATION OF MAJOR INGREDIENTS

Chemical Name C14-17 chlorinated Paraffin

C A S No

Formula

85535-85-9

$[C_nH_{(2n+2-m)}Cl_m]$

where $n=14$ to 17 , $m\sim 6$

3. HAZARD IDENTIFICATION

Main Risk None

Contact with skin No irritation, on contact for small duration

Contact with eyes Causes irritation

Safety Phrases Keep out of reach of children. In case of contact with skin, wash
immediately with plenty of water.

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



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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

STABILITY AND REACTIVITY

Stability As supplied, It is stable at normal temperatures and pressures.

Non flammable 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.



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Inhaled Not volatile at room temperature. Inhalation is not a likely route of exposure at normally encountered temperatures.

Ingestion

Acute Oral Toxicity (Rats)

Ingestion of large amounts of chlorinated paraffin's may cause intestinal obstruction. Repeated exposure to high levels may result in liver or kidney damage.

LD50>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.

Ventilation Requirements None

Respiratory Protection Not normally required.

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

Unusual Fire and Explosive Hazards

Wear full protective clothing

During a fire in which this material is involved, hydrogen chloride (HCl) may be liberated.



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9. PERSONAL PROTECTION

General Precautions Eye and skin protection should be used when Handling C14-17 chlorinated paraffin

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.

13. ENVIRONMENTAL INFORMATION

Bio - Accumulation No relevant data is available.

Biodegradability The product is partially removed in biological treatment



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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 EC50 = 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 **R40/R20/R22**: Harmful: possible risk of irreversible effects through inhalation and if swallowed.

R36: Irritating to eyes

R50/53: Very toxic to aquatic organisms, may cause long term adverse effects

R64: May cause harm to breast feed babies

R66: Repeated exposure may cause skin dryness or cracking

Safety Phrases **S1/2**: Keep locked up and out of the reach of children.

S24/25: Avoid contact with skin and eyes.

S23: Do not breathe gas/flumes/vapour/spray.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible)

S60: Material and its container must be disposed of as hazardous waste

S61: Avoid release to the environment

15. TRANSPORT INFORMATION

UN No. 3082

EC No: 287-477-0

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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