



Vikas Global  ne Ltd.

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Technical Data Sheet

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ADDFLEX

CHLORINATED PARFFINS

SECONDARY PLASTICIZERS

➤ Product Description:

- Chlorinated Paraffin's are secondary & economic range of plasticizers & flexibilizers for PVC. Chlorinated Paraffin's are straight-chain hydrocarbons that have been chlorinated. Chlorinated Paraffin's are produced from chlorination of paraffin fractions obtained from petroleum distillation. These are classified according to the carbon length (ranging from C10 –C 20) & the level of chlorination (ranging from 40 % - 70 %).

➤ Characteristics & Usages:

- These are used as plasticizers to provide flexibility and flame retardance property of PVC compounds.

The Usage ranges across many PVC application areas:

- Cable Insulation Compounds
- Garden Hoses
- Inks, paints and adhesives manufacturers.
- As flame retardant,
- In the production of PVC - Plastics coating/artificial leather cloth Industries, PVC – extrusion/other applications & plastic/rubber.

➤ CAS No.

85535-85-9

➤ Physical & Chemical Properties:

			CP45	CP52
S. No.	PARTICULARS	TEST METHOD	STANDARD	STANDARD
1	Appearance	-	Clear to Pale Yellow viscous Liquid	Clear to Pale Yellow viscous Liquid
2	Chlorine Content %	ISI- 1448-77	45 ± 2.0	52 ± 2.0
3	Color in Hazen Units (HU)	ASTM-D-1045-86	60 Max	60 Max
4	Specific Gravity @ 30 °C	ASTM-D-1045	1.20 ± 0.02	1.28 ± 0.02
5	Viscosity @ 27 °C, Poise	ASTM-D-445 Brookfield Viscometer	0.5 – 10	12 – 35
6	Free Mineral Acidity as mg KOH / gm	KOR/QCD/FP-1.5	0.010 Max	0.010 Max
7	Free Chlorine, %	ISI-9189-79	NIL	NIL
8	Heat Stability @ 180 °C for 20 min.	KOR/QCD/FP-1.9	Color changes to yellow	Color changes to yellow
9	Thermal Stability after 4 hrs. @ 175 °C	KOR/QCD/FP-1.8	0.10 Max	0.10 Max
10	Volatile loss @ 180 °C for 4 hrs., percent by mass	KOR/QCD/FP-1.7	2.50 Max	3.00 Max
11	pH Value of 10 % aqueous extract	KOR/QCD/FP-1.11	6.0 ± 0.5	6.0 ± 0.5

Note: Specific grades of Chlorinated Paraffin's can be prepared on Request.

➤ Packaging:

- Standard Packaging: 250 Kgs Nett Weight HDPE Drums/ MS Drums; 1200 Kgs IBC, 20 MT Flexi--Tanks
- Specific Packaging options can be arranged as per customer's requirement.

➤ **Safety & Environmental Information:**

- Avoid contact with skin: may cause irritation and / or skin allergy, wear gloves, avoid spillage.
- Avoid contact with eyes: may cause irritation, wear protective safety glasses.
- Avoid inhaling: may cause irritation in the respiratory tract.
- Extinguishing media: water / sand / dry powder & Carbondioxide foam.

➤ **Handling & Storage Information.**

- Indoor storage is recommended. Store in cool, dry, ventilated place.
- Should be handled with normal precautions for liquids. Refer to the material safety data sheet for safety and health information.
- Should be kept away from incompatible materials like PVC, Rubber etc.
- Containers should be kept closed when not in use.

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Before handling this material, read and understand the MSDS (Material Safety Data Sheet) for additional information on personal protective equipment and for safety, health and environmental information.