



# Gujarat Alkalies and Chemicals Limited

(Promoted by Govt. of Gujarat)

Regd. Office & Works : P.O. Petrochemicals – 391 346, Dist. Vadodara (Guj.) INDIA

Phone.: + 91-265-2232681, 3061200, 6540463 Fax : +91-265-2232130, 2230031

Website : www.gacl.com

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT IDENTIFICATION AND COMPANY NAME

#### 1.1 PRODUCT IDENTIFICATION:

Chemical Family	:	CHLORINATED PARAFFINS; CHLORINATED N-PARAFFINS
Trade Names and Synonyms		CLOPARIN 20 – 30 – 40 – 42 L – P 42 – 44 F – 47 – 47 D – 48 – P48 – 50 – 51 PL –52 – 53 – PL – 54 – 56 – 58 – 61 – S 70 CLOPAROL 40 ST – 43 ST – 49 ST – 56 ST
Chemical Abstract Name	:	CHLORINATED PARAFFINS; CHLORINATED PARAFFIN WAXES
CAS Number	:	85535-85-9 FOR C <sub>14</sub> -C <sub>17</sub> 63449-39-8 FOR C <sub>18</sub> -C <sub>28</sub>
EEC Number	:	287-477-0 FOR C <sub>14</sub> -C <sub>17</sub> 254-150-0 FOR C <sub>18</sub> -C <sub>28</sub>
Empirical Formula	:	C <sub>n</sub> H <sub>2n</sub> + 2.yCl <sub>y</sub> (n = 14 to 28); Cl = 30 – 7-%
Molecule Weight	:	Variable accordingly to the chlorine title and the length of the chain.
Structural Formula	:	Mixture of variously Chlorinated N-Paraffins

#### 1.2 COMPANY NAME

Name	:	GUJARAT ALKALIES AND CHEMICALS LIMITED
Address	:	PO: PETROCHEMICALS – 391 346, DIST. VADODARA – INDIA
Telephone/Fax Number	:	Telephone No. 2232681-82, 2230 206 to 210, Fax No. 2232130, 2230026

### 2. COMPOSITION INGREDIENTS.

Harzardous components	%	Classification	R Phrases
----- N. A. -----			

### 3. HAZARD DATA:

Health Environment	:	Slightly irritating to eyes and skin. Avoid release to the environment.
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### 4. FIRST AID:

Eye Contact	:	Rinse immediately with plenty of water for some minutes and use ophthalmic ointment. Seek medical advice.
Skin Contact	:	Wash with plenty of water and soap.
If swailowed	:	Do not induce vomiting. Immediately seek medical advice.
Inhalation	:	Take the victim who has breathed the hot product to fresh air. If seakness persists, seek medical advice.

Never give anything orally if the victim is unconscious and do not give any kind of antidotes unless expressly prescribed.

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Dahej Complex: P.O. Dahej – 392 130, Tal. Vagra, Dist. Bharuch (Gujarat) INDIA

Phone.: +91-2647-256315/6/7 Fax: +91-2641-256220



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## 5. FIRE HAZARD DATA:

Extinguishing Media	:	The product does not burn. In case of fire, use sprinkled water carbon dioxide. Dry chemicals sprinkle with water containers exposed to fire.
Extinguishing Media to avoid	:	-
Unusual fire hazard	:	Hydrochloric Acid
Personal equipment	:	Self-contained breathing apparatus.

## 6. ACCIDENTAL SPILL RESPONSE:

Stop the spill. Circumscribe concerned area to prevent product from ending up in drains/water should this happen, inform local authorities immediately. Collect spilled fluid with sand, earth or other absorbent material in suitable containers and send these to an authorized disposal site.

## 7. HANDLING AND STORATE:

### Protective measures for handling:

Avoid contact with skin, eyes, membranes and clothes. Use gloves and goggles during handling. Take off clothing spoiled with product. Chlorinated Paraffins have a low vapors pressure; when handling the hot product. However, avoid inhaling it. When the hot product has to be handled, it is advisable to use a protective mask with an organic vapors filter. Do not breathe dust (Cloparin S 70).

### Protective measures for storage:

No special protective measure if appropriate containers are used (Bisphenol Polyester, Lead-plated materials, Epikoted Materials). The use of inappropriate materials (e.g. Iron, Aluminium, etc.) may cause product darkening. Do not stock at temperatures higher than 60°C.

## 8. INDUSTRIAL HYGIENE / PERSONAL PROTECTIVE QUIPMENT:

Sanitary Inspection	:	In compliance with applicable national and local regulations.
Exposure Limits	:	TLV-TWA (ACGIH 1999) = Not Available TLV-STEL (ACGIH 1999) = Not Available
Respiratory protection	:	If the product is hot, use a mask with organic an vapor filter.
Hand Protection	:	Rubber Gloves
Eye Protection	:	Tight goggles or face shield.
Skin Protection	:	Appropriate protective clothing
System technical protection	:	Room ventilation, local airs suction.

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## 10. PHYSICAL AND CHEMICAL DATA

Physical State	:	Fluid / Viscous Liquid – Dust (For S70 type only)
Colour	:	Yellowish
Odour	:	Odourless
Ph	:	Not Available
Flash Point	:	> 200 <sup>0</sup> C (Not Flammable)
Boiling Point	:	Above 180 <sup>0</sup> C they decompose and develop HCl
Melting Point	:	100 <sup>0</sup> C (for S70 type only)
Self-Ignition	:	Not Applicable
Explosion Hazard	:	Not Available
Combustion Hazard	:	Not Available
Vapour Pressure	:	Very Low, Negligible
Specific Gravity	:	Changes according to the type of Chlorinated Paraffin: 1150-1400 g/l at 25 <sup>0</sup> C for solid S70. Apparent density = 700-050 g/l
Solubility in Water	:	Not soluble in water
Liposolubility	:	Not Available
Solubility in Solvents	:	In Aromatic, Aliphatic, Chlorinated Hydrocarbons, Chetons, Esters, Mineral Oils.
n-octanol / water partition coefficient	:	Not Available
Vapour specific gravity related to air	:	Not determined, anyway higher.
LEL-UEL (%in volume)	:	Not Available
Conductivity	:	Not Available
Viscosity	:	Changes according to the type of Chlorinated Paraffin: 10-7000 cSt at 40 <sup>0</sup> C for solid S70, softening point = 100 <sup>0</sup> C
Evaporation Rate	:	Not Available
Other features	:	30-70% Chlorine contents.

## 10. STABILITY AND REACTIVITY:

Conditions to avoid	:	The product is stable under normal usage and storage conditions at temperatures higher than 180 <sup>0</sup> C. They decompose and develop Hydrochloric Acid.
Minerals to avoid	:	The reactivity of Chlorinated C <sub>14</sub> -C <sub>28</sub> Paraffin is low.
Hazardous decomposition products	:	Hydrochloric Acid by Thermal Decomposition.

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## 14. TRANSPORT INFORMATION:

Protective measures for transport/handling:	--
Classification:	UN No: 3082 – Class.9
Road and Railway Transport.	NOT DANGEROUS
- RID/ADR: Class:	--
Carriage by Sea:	NOT DANGEROUS
- IMDG CODE: Class:	9028
Air Transportation:	NOT DANGEROUS
- ICAO/IAGA: Class:	--

## 15. REGULATION INFORMATION:

Classification and Labeling:

<input type="checkbox"/> Required by Law	<input type="checkbox"/> Interim	<input checked="" type="checkbox"/> Not Required
Hazardous Symbol: --	Hazard Signs: --	Risk Phrases: --
Safety Advises: --		

Note: Always be sure to meet any other applicable local regulation.

## 16. OTHER INFORMATION:

Training:	--
Recommendation for use/possible restrictions:	--
Further Information:	--
Usage of Substance/Product:	
As Secondary plastifier for PVCs in the coating industry, in the tanning industry, in the formulation of anti-fire additives for coating and plastics.	

Information on this DATA SHEET represents our current data and best opinion as to the proper use in handling this product under normal condition. Using the product in combination with any other product or process is the responsibility of the user.

The user shall always be sure to meet any local regulations pertaining to the product, industrial hygiene and working security.



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