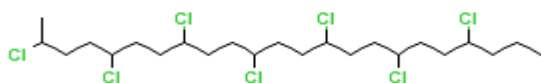




Chemicals Corp.

Technical Data Sheet

Chlorinated Paraffin



Chlorinated Paraffin Wax (CS 70 Wax)

CAS Number: 63449-39-8

Molecular weight: 411.4503

Molecular formula: $C_{23}H_{41}Cl_7$

PRODUCT INFORMATION

PRODUCT SPECIFICATIONS		POWDER/GRANULES
Appearance		Beige powder or granules
Specific Gravity	kg/m ³	1.60
Chlorine Content	%	71-74
Softening Point	°C	85-110
Boiling Point	°C mm/Hg	605.4
Thermal Stability Index	% Max (175°C,4Hrs)	0.15
Moisture Content	% Max	0.50
Acid Value	≤ mg KOH/g	0.10
Carbon Tetrachloride	≤ PPM	2.00
Residue on sieve (50 μm)	% Max	0.20
<u>Typical properties</u>		
Density	g/cm ³	1.153
<u>Packaging</u>		
Bag		25kg (55 lbs) or 500kg (1102 lbs)

FUNCTION

Chlorinated Paraffin Wax is a highly efficient flame retardant and its chemical structure is almost completely saturated. In addition to being a fire retardant it has chemical reagent resistance, is compatible, is an effective anti-deteriorant and has heat stabilization properties. It is practically non-toxic and has good thermal stability.

APPLICATIONS AND PROPERTIES

- Chlorinated Paraffin Wax is extensively used in rubber and plastic products as an efficient fire-retardant.
- Its uses include fire-retardant cables, fireproof coating, polyester, ABS, polystyrene and epoxy resin etc.
- It can also be used as a fireproof additive for printing ink and a modifier for the papermaking industry.
- This product is also used in the fiber industry as a plasticity agent, as well as a surface treatment agent for fabric.
- Almost insoluble in water.
- Chlorinated Paraffin Wax is regulated for use under the following sections of FDA 21 CFR:
 - 175.105 – Components of Adhesives.
 - 177.1650 – Substances for Use as Basic Components of Single and Repeated Use Food Contact Surfaces.

STORAGE

Material should be stored in a tightly closed container in a cool, dry, well-ventilated area, away from heat sources. The maximum recommended storage life is 3 years when stored under normal conditions.

HANDLING PRECAUTIONS

For detailed information on toxicological properties and handling precautions, please refer to the current Safety Data Sheet. This information is available by request from **SunBoss Chemicals Corp.**

[Revised: November 3, 2014 by kk]