

Product Documentation

Product Name : **COSMONATE SR-180C**

Kumho Mitsui Chemicals Co.,

COSMONATE SR-180C

-Technical Data Sheet-

1. characteristics of product

Cosmonate SR-180C is common Polymeric MDI which is widely used in manufacturing polyurethane foam, in the field of semi-hard and hard.

Cosmonate SR-180C is liquefied product in high temperature, so easy to treat for storage up to 20, as a Solvent Free type, mixed with one volume MDI of 4,4-Diphenyl-methane diisocyanate, of which more than two volume, three volume, four volume's oligomer, has maximum 230cps(25) of adhesion degree and average 2.7 of sensory gear.

2. product application



Automobile In Pannel



Sun-Visor



Arm Rest

Cosmonate SR-180C is widely used in semi-hard polyurethane field such as automobile's interior decoration, that is , In-Panel, Arm Rest, Sun-visor.

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3. Product standards & general properties

item	evaluation	Unit	Result
Product specifications			
NCO Content	ASTM D 1638	wt%	30.0~ 32.0
Viscosity (25℃)	ASTM D 1638	cps	150 ~ 230
specific gravity (25℃)	ASTM D 1638	-	1.23 ~ 1.25
General Properties			
Product Exterior			Brown liquid
Boiling point		℃	200 ~ 208
Freezing point		℃	below -20℃
pressure(25℃)		mmHg	ignorable level
ignition point		℃	177 ~ 218
molecular weight		g/mol	240 ~ 260
chemical structure			
Over n=0,1,2,3,4			

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4. product packaging

Cosmonate SR-180C is packed by 250kg Drum or Bulk provided

5. Safety and Health

In case of skin contact, inflammation such as an eruption can break out. In case of getting in the eye, severe painful, when exposed excessively, eyesight trouble can happen. Also in case of inhaling steam of MDI, bronchial asthma, headache, dyspnea can break out, in case of eating it, it can cause a trouble in digestive organ and inflammation. In case of skin contact, you shall wash out with great quantities of water or soapy water.

And in case of contact to the eye, you shall wash out with great quantities of water or soapy water for 15minutes before go to see a doctor. Also in case of inhaling steam of MDI, you shall be moved to the fresh place, be kept safe and warm, be tried artificial respiration in need. In case of eating it, you shall eat a large quantity of water or milk, raw egg and vomit before go to see a doctor. It's not much inflammable but should be careful with fire. In case of fire extinguishing, carbonic acid gas type is appropriate. In case of big fire you shall put out a fire with water.

6. Storage and Handling

Appropriate storage temperature for SR-180C is 25~35°C. Be careful especially not to mix water with the storage tool, you shall make airtight with nitrogen gas if possible. When you work with MDI you shall wear an appropriate safety equipment, in need shall set ventilator or wear a gas mask. After work, you have to wash out with soapy water, polluted working uniform should be washed out before wearing.