

Product Documentation

Product Name : **COSMONATE CG-29N**

Kumho Mitsui Chemicals Co.,

COSMONATE CG-29N

-Technical Data Sheet-

1. characteristics of product

Cosmonate CG-29N is Special Modified MDI, which is used in healthy pillow, sound-absorbing materials that can reduce every noises created by automobile engine, road and tire, which is used in ISF and furniture's Mold foam manufacturing.

Cosmonate CG-29N is liquefied product in high temperature, so easy to treat for storage stability in winter, as a Solvent Free type, mixed with one volume MDI of 4,4-Diphenyl-methane dilsocyanate, of which more than two volume, three volume, four volume's oligomer, has 70~170cps(25) of adhesion degree.

2. product application



Healthy pillow



head rest

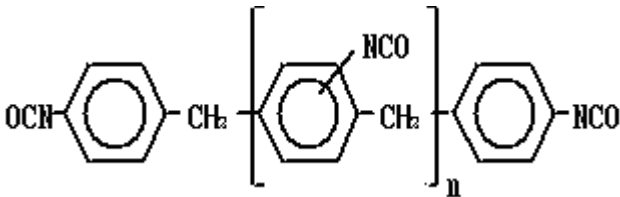


car noise suction

Cosmonate CG-29N is Special Modified MDI which is widely used in, such as a healthy pillow, sound-absorbing material for automobile, Head Rest and furniture Mold foam, of which permeability and fluidity and formation are so high enough to complicated Mold formation.

COSMONATE CG-29N

3. Product standards & general properties

Category	Assessment methods	Unit	Result
Product standards			
NCO content	ASTM D 1638	wt%	27.1 ~ 28.1
viscosity (25°C)	ASTM D 1638	cps	70 ~ 170
specific gravity (25°C)	ASTM D 1638	-	1.21 ~ 1.22
general properties			
product exterior freezing point		°C	brown liquid below -5°C
pressure(25°C)		mmHg	ignorable level
ignition point		°C	177 ~ 218
Molecular Weight		g/mol	240 ~ 260
Chemical structure			
			
Over N=0,1,2,3,			

COSMONATE CG-29N

4. product packaging

Cosmonate CG-29N is packed by 230kg Drum

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 CG-29N 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.