

Product Documentation

Product Name : **COSMONATE CG-120N**

Kumho Mitsui Chemicals Co.,

COSMONATE CG-120N

–Technical Data Sheet–

1. characteristics of product

Cosmonate CG-120N is a specially modified MDI, which is used for making polyurethane foams in the integral skin foam sector, as well as for the elastomer and coating sectors. Cosmonate CG-120N is liquid at room temperature (25°C) and should be stored in high temperature during the cold season. In its solvent-free form, it provides a viscosity of up to 800 cps (25°C).

2. product application



Integral skin foam



Adhesive



Coating



Elastomer

Cosmonate CG-120N is widely used as a raw material for making polyurethane foams in the integral skin foam sector and making elastomers, coatings, and adhesives.

COSMONATE CG-120N

3. Product standards & general properties

Category	Assessment methods	Unit	Result
Product standards			
NCO content	ASTM D 1638	wt%	22.4 ~ 23.4
viscosity (25℃)	ASTM D 1638	cps	500 ~ 800
specific gravity(25℃)	ASTM D 1638	—	1.18 ~ 1.22
general properties			
product exterior			Light Yellow liquid
boiling point		℃	200 ~ 208
freezing point		℃	below 10℃
pressure(25℃)		mmHg	ignorable level
ignition point		℃	177 ~ 218

COSMONATE CG-120N

4. product packaging

Cosmonate CG-120N is packed in a 230 kg 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-120N 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.