

COSMONATE CG-27N

-Technical Data Sheet-

1. characteristics of product

COSMONATE CG-27N is a special modified MID product used in the production of health-minded pillows and noise absorbent foam for damping noise generated by automobile engines, roads and tires. Kept in liquid state at ambient temperature, the product is easy to store and handle at temperatures down to 10°C. This solvent-free product has viscosity of up to 250 cps at 25°C.

2. product application



Health-minded pillows



mattresses



automobile noise absorbents

COSMONATE CG-27N is a special modified MDI product with a wide range of applications including health-minded pillows and absorbent foam. It has excellent permeability, flow property, and formalization for complicated injection molding.

COSMONATE CG-27N

3. Product standards & general properties

item	evaluation	Unit	Result
Product specifications			
NCO content	ASTM D 1638	wt%	27.0 ~ 28.0
viscosity (25°C)	ASTM D 1638	cps	150 ~ 250
Specific gravity (25°C)	ASTM D 1638	-	1.21 ~ 1.23
general properties			
product exterior			light brown liquid
freezing point		°C	below 5
vapor pressure(25°C)		mmHg	negilgible
flash point		°C	177 ~ 218
chemical structure			
<p>Over n=0,1,2,3,4</p>			

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4. product packaging

Cosmonate CG-27N is packed in single 230kg drum

5. Safety and Health

Contact with the skin can cause inflammation including a rash, while contact with the eyes can cause severe pain, and visual disturbance may result in the event of excessive exposure. Inhalation of the vapor of MDI can cause bronchial asthma, headaches, or breathing difficulties, and its ingestion can cause irritation and inflammation of the gastrointestinal tract. In cases of contact with the skin, rinse the affected area completely with plenty of water or soapy water. In cases of contact with the eyes, rinse immediately with plenty of water or soapy water for 15 minutes, and seek professional medical help. In cases of MDI vapor inhalation, move the affected individual to a place where there is plenty of fresh air, keep him/her in a warm, stable condition, and perform artificial respiration if needed. In cases of ingestion, allow the affected individual to vomit with their head positioned lower than the hip to prevent suffocation from respiratory tract inhalation, and provide symptomatic treatment. Seek medical help if necessary. In the event of a fire, extinguish with a carbon dioxide fire extinguisher. In the event of a large fire, extinguish with water.

6. Storage and Handling

The optimal storage temperature for CG-27N is 20~35°C. Caution is needed to prevent moisture from being mixed in the storage container, which should be sealed by dry nitrogen gas if possible. When working with MDI, proper safety equipment should be worn, and a ventilation or gas mask should be used if necessary. After work, wash completely with soapy water. Contaminated work clothes should be washed and cleaned for the next use.

