

# Product Documentation

Product Name : **COSMONATE CG-250N**

Kumho Mitsui Chemicals Co.,

# **COSMONATE CG-250N**

## **-Technical Data Sheet-**

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### **1. characteristics of product**

COSMONATE CG-250N is a special modified MDI product used in the production of polyurethane foam for automobile ceiling liner. Kept in liquid state at ambient temperature, the product is easy to store and handle in the winter season. This solvent-free product has viscosity of up to 270 cps at 25°C.

### **2. product application**

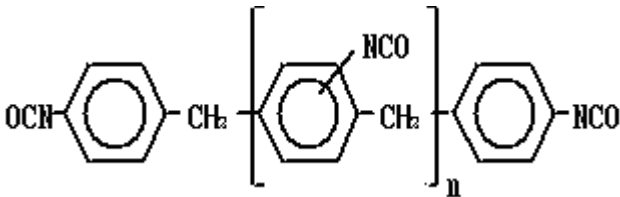


**automobile Headliner**

COSMONATE CG-25N is appropriate for producing automobile ceiling liner, and has excellent mechanical properties such as compressive strength and flexural strength, as well as demoldability and insulation properties.

# COSMONATE CG-250N

## 3. Product standards & general properties

item	evaluation	Unit	Result
<b>Product specifications</b>			
NCO content	ASTM D 1638	wt%	28.3 ~ 29.3
viscosity (25°C)	ASTM D 1638	cps	170 ~ 270
specific gravity (25°C)	ASTM D 1638	-	1.21 ~ 1.23
<b>general properties</b>			
Appearance			brown liquid
Boiling point		°C	200 ~ 208
freezing point		°C	below -10°C
Vapor Pressure (25°C)		mmHg	negligible
Flash point		°C	177 ~ 218
Molecular weight		g/mol	350 ~ 400
<b>chemical structure</b>			
			
Over N=0,1,2,3,4			

# **COSMONATE CG-250N**

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## **4. product packaging**

Cosmonate CG-250N is packed in single 230kg drum or in bulk

## **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-250N 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.