

# COSMONATE CG-1125

## -Technical Data Sheet-

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### 1. Characteristics of Product

COSMONATE CG-1125 is Special Modified MDI, which is widely used in Seating Foams for automobile and furniture manufacturing. COSMONATE CG-1125 is liquid product in room temperature and easy to treat for storage in 20~35℃, as a Solvent Free type, mixed with one volume MDI of 4,4-Diphenylmethane diisocyanate, of which more than two volume, three volume, four volume's oligomer, has maximum 300cps(25℃) of adhesion degree.

### 2. Product Application



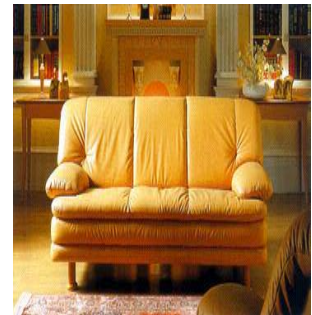
**Automotive Seat**



**Airplane Seat**



**Head Rest**

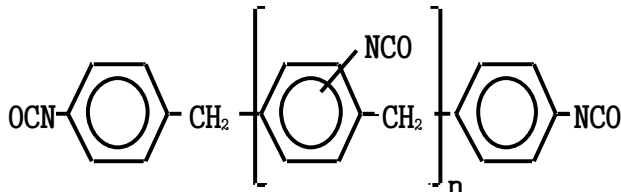


**Furniture Sofa**

COSMONATE CG-1125 is a special Modified MDI which developed as suitable for Seating foams in automobile & Furniture manufacturing. It is used to make Seats & Head Rest, which requires high performance, comfort. It is pre-polymer typed MDI. Especially, it's improved by Cure; it's widely used not only in Seat material for automobile, but also in Sofa or chair Cushion material, Head Rest.

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## 3. Product Standards & General Properties

Item	Evaluation Method	Unit	Result
<b>Product Standards</b>			
NCO Content	ASTM D 1638	wt%	25.0 ~ 26.0
Viscosity at 25°C	ASTM D 1638	cps	250 ± 50
Specific Gravity at 25°C	ASTM D 1638	-	1.18 ~ 1.20
<b>General Properties</b>			
Product Appearance			Brown Liquid
Boiling Point		°C	208
Freezing Point		°C	Below -5
Evaporation Pressure at 25°C		mmHg	Ignorable Level
Ignition Point		°C	177 ~ 218
Molecular Weight		g/mol	240 ~ 260
<b>Chemical Structure</b>			
<p>Over n=0,1,2,3,4</p> 			

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## 5. Product & Packaging

Cosmonate CG-1125 is packed by 230kg Drum or bulk provided

## 6. Safety & 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.

## 7. Storage & Handling

Appropriate storage temperature for CG-1125 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 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.