

# COSMONATE CG-3701S

## –Technical Data Sheet–

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### 1. characteristics of product

Cosmonate CG-3701S is a specially modified MDI, which is widely used for making automobile seat cushion and back foams in soft sectors. Cosmonate CG-3701S is liquid at room temperature and can be stored and handled easily in temperatures of up to 10°C. In its solvent-free form, it provides a viscosity of up to 15 cps (25°C).

### 2. product application



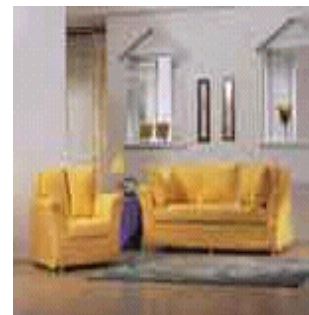
Vehicle SEAT



airplane SEAT



train SEAT



furniture SOFA

Cosmonate CG-3701S is a specially modified liquid product, which is developed to be suitable for making seat cushions and back foams. It is used in sectors that require excellent workability and moldability, as well as high resilience. It is an improved product that will make it possible to make low-density seat pads and high-elasticity seat pads, which were previously difficult to make using general MDI. It is widely used for making seats for passenger cars, RVs, commercial automobiles, and trains as well as furniture cushions.

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## 3. Product standards & general properties

item	evaluation	Unit	Result
<b>Product specifications</b>			
NCO content	ASTM D 1638	wt%	37.0 ~ 38.0
viscosity(25°C)	ASTM D 1638	cps	Max. 20
specific gravity(25°C)	ASTM D 1638	-	1.21 ~ 1.23
<b>general properties</b>			
product exterior			light brown liquid
boiling point		°C	208
freezing point		°C	below 10
vapor pressure(25°C)		mmHg	negilgible
flash point		°C	177 ~ 218
<b>chemical structure</b>			
<p>Over n=0,1,2,3,4</p>			

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## 4. product packaging

Cosmonate CG-3701S is packed by 230kg Drum or bulk provided

## 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-3701S is 20~30°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.