

# **Cosmonate CG-3300S Introduction -Technical Data Sheet-**

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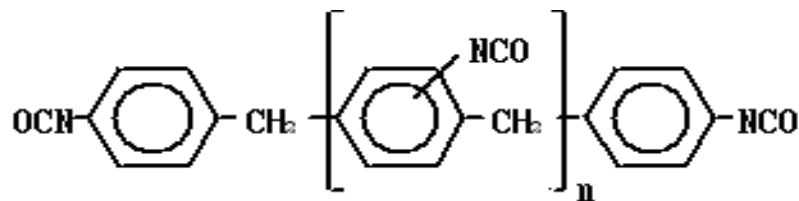
**Application Technology Center**

# Application of Cosmonate CG-3300S

## ■ Characteristics of Product

Cosmonate CG-3300S is Special Modified MDI, which is widely used in soft material field automotive, seat cushion foam for furniture manufacturing. Cosmonate CG-3300S is liquid product in high temperature, so easy to treat for storage up to 10, as a Solvent Free type, mixed with one volume MDI of 4,4-Diphenyl-methane diisocyanate, of which more than two volume, three volume, four volume's oligomer, has maximum 100cps(25°C) of adhesion degree.

## ■ Chemical Structure



## ■ Product Application



Seat pad



Furniture



Memory foam



Head rest

Cosmonate CG-3300S is widely used as raw materials to manufacture automotive, furniture industrial goods such as seat pad, head/arm rest, mattress foam, slow recovery foam.

## Physicad Properties of Cosmonate CG-3300S

### ■ Product Standards & General Properties

#### Product Standards

Item	Evaluation method	Unit	Result
NCO content	ASTM D 1638	wt%	29.5 ~ 30.5
Viscosity (25 °C)	ASTM D 1638	cps	Max. 100
Specific gravity (25 °C)	ASTM D 1638	-	1.19 ~ 1.21

#### General properties

Appearance			Brown Liquid
Freezing point		°C	below 10
Evaporation pressure (25 °C)		mmHg	ignorable level
Ignition point		°C	177 ~ 218

# Handling of Cosmonate CG-3300S

## ■ Product Packaging

Cosmonate CG-3300S uses 230kg drum package or bulk supply

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## ■ Safety and Health

Skin contact might cause rash or inflammation and eye contact might cause severe pain and excessive exposure might cause sight disorder. Also, if you inhaled MDI vapor, it would cause bronchial asthma, headache, difficulty to breathing, and etc, and in case of taken, it will cause stimulation and inflammation of digestive organs. If contacted with skin, wash out with much water or soapy water. If contacted with eyes, wash out with much water or soapy water for about 15 minutes and get medical examination. Also, if you inhaled MDI vapor, move to the fresh area, keep warm stabilized, and practice artificial respiration when it's necessary. If swallowed, feed much water or milk, or raw egg and make them throw up, then get medical examination as soon as possible. It has very rare ignition danger, but watch out for fire hazard if digested, carbonic acid gas digestion is suitable. In case of conflagration, put out with water.

## ■ Storage and Handling

CG-3300S proper keeping temperature is 20~35°C. Be extremely cautious so that water doesn't get mixed in storage instrument and seal the instrument with dry nitrogen gas. In case of working with MDI, wear the proper safety tools. If necessary, install ventilation equipment or wear gas mask. After work, be certain to wash with soapy water and clean the contaminated overalls before you wear it.