

COSMONATE JG-29K

-Technical Data Sheet-

1. characteristics of product

Cosmonate JG-29K is a special polymeric MDI, which is used for making boards such as middle-density fiber boards (MDF) and particle boards (PB). Cosmonate JG-29K is liquid at room temperature and can be stored and handled easily up to 20°C. In its solvent-free form, it contains a high level of NCO. It provides a viscosity of up to 320 cps (25°C) and has about 2.7 functional

2. product application



MDF



PB



Spray for thermal insulation



auto mobile interior materials

Cosmonate JG-29K is used in the board section including middle-density fiber (MDF) and particle boards (PB).

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3. Product standards & general properties

Item	Evaluation	Unit	result
Product specifications			
NCO content	ASTM D 1638	wt%	28.7 ~ 29.7
Viscosity(25℃)	ASTM D 1638	cps	160 ~ 320
specific gravity(25℃)	ASTM D 1638	-	1.23 ~ 1.24
General physical properties			
Appearance			brown liquid
Boiling point		℃	200 ~ 208
freezing point		℃	below 20
Vapor-pressure(25℃)		mmHg	negligible
Flash point		℃	177 ~ 218
Chemical structure			
<p>Over n=0,1,2,3,4</p> <p><chem>OCNc1ccc(cc1)Cc2ccc(cc2)C(=O)Nc3ccc(cc3)C(=O)N</chem></p>			

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4. Packaging

Cosmonate JG-29K is packed by 250kg Drum

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 JG-29K is 20~35°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 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.