

HDI closed AsahiKasei SBN-70D CAS 34590-94-8

ABOUT:

Category : Isocyanate

Industry:

- Coatings
- Ink
- Adhesives

Description:

DURANATE SBN-70D by Asahi Kasei is a low curing temperature types blocked hexamethylene diisocyanate (HDI) trimer with low baking coloration, Shows lower temperature curing feature particularly in case of thin film thickness. Acts as a curing agent for urethanes. Provides excellent weatherability, good chemical & abrasion resistance, good adhesion and drying properties. Shows excellent color retention and outstanding performance. DURANATE SBN-70D is suitable for applications of automotive, adhesives and coil coating. Possible applications could be coatings for architectural, industrial, consumer electronic and information technology, gravure, offset and screen inks.

Component:

Substance Name	Component	Content* (%)	CAS NO.
	Blocked polyisocyanate	Approx. 70	included
dipropylene monomethyl ether	glycol	Approx.30	34590-94-8

*These content values only show the amount of a particular ingredient and are not strictly regulated.

Physical and chemical properties

Appearance and properties: colorless to light yellow liquid

Odor: pleasant odor

Odor threshold: not available

pH: no information

Melting/freezing point (°C): no information available

Initial boiling point and boiling range (°C): dipropylene glycol monomethyl ether 190 °C;

Flash point (°C): 98 (Sitter closed cup type)

Evaporation rate: Dipropylene glycol monomethyl ether 0.02 (Butyl acetate = 1)

Flammability (solid, gaseous): no information available

Upper and lower flammability limits or explosion limits (Vol%): no information available

Vapor Pressure (kPa): 0.05 (25 °C)

Vapor Density: Dipropylene glycol monomethyl ether 5.11 (Air=1)

Relative density (water=1): 1.13 (20 °C)

Solubility: insoluble in water

n-octanol/water partition coefficient:

Dipropylene glycol monomethyl ether: log Kow = 0.006

Autoignition temperature (°C): no information

Decomposition temperature (°C): no information

Stability and reactivity:

STABILITY: Stable under normal and recommended operating, storage and disposal conditions.

HAZARDOUS REACTIONS: This product may react slowly with water to produce CO₂, resulting in an increase in pressure and expansion of closed containers, creating a bursting hazard.

Hazardous Reactions: This product may react slowly with water to produce CO₂, resulting in increased pressure and expansion in closed containers, creating a burst hazard.

Conditions to be avoided: Keep away from high temperatures, heat sources, sparks and flames, prevent static hazards, avoid heating closed

containers, avoid temperatures close to or exceeding their flash points.

Avoid heating of closed containers and temperatures near or above their flash points.

Polymerization Hazard: No information available

Incompatible substances: water, strong bases, strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, oxides of nitrogen, isocyanates, traces of hydrogen cyanide can be produced upon heating.

R caution and S caution:

R36 Irritating to eyes;

S1/2 Store under lock and key and out of reach of children;

S7/9 Keep container tightly closed in a well-ventilated place;

S14 Keep away from water, strong alkalis and strong oxidizing agents;

S16 Keep away from ignition sources and prohibit smoking;

S20/21 Do not eat, drink or smoke when in use;

S24/25 Avoid skin and eye contact;

S26 Immediately after eye contact, flush with plenty of water and seek medical advice;

S27 Remove all contaminated clothing immediately;

S28 after skin contact, wash immediately with plenty of water and soap;

S36/37/39 Wear appropriate protective clothing, gloves and eye/face

protection;

S45 In case of accident or if feeling unwell, seek medical attention immediately (show label if possible);

S63 In case of accidental inhalation, remove victim to fresh air and rest;

S64 in case of swallowing, rinse mouth with water (for conscious patients only).

Storage and Transportation:

STORAGE: It is recommended to store in a dry and cool area with proper ventilation.

Packaging:

200KG/drum Please fasten the packaging cover as soon as possible after original packaging to prevent the mixing of other substances such as moisture and other substances that may affect the performance of the product. Do not inhale dust, avoid skin and mucous membrane contact. Smoking, eating and drinking are prohibited in the workplace. After work, shower and change clothes. Store contaminated clothes separately and reuse them after washing. Maintain good hygiene practices.

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