
Product Information

Gaskamine 328

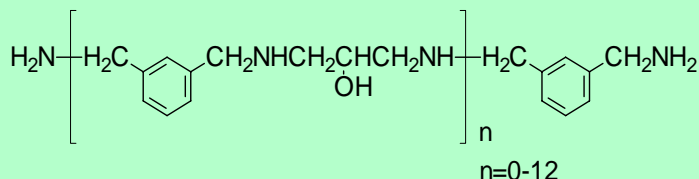
--- 1,3-benzenedimethanamine, reaction products with epichlorohydrin ---



MITSUBISHI GAS CHEMICAL COMPANY, INC.

Description

Gaskamine 328 is a clear yellow liquid.



Typical Properties

Appearance, visual	.....	color liquid
Color, Gardner	.....	1-2
Flash Point, °C	.....	177
Amine value, mgKOH/g	.....	670
Specific gravity, 20°C	.....	1.12-1.14
Theoretical Active Hydrogen Equivalent Weight	...	55
Viscosity, mPa·s, 25°C	.....	9200
Solubility	.....	Soluble in methanol, ethanol propanol, chloroform, water (partial) Insoluble in toluene, m-xylene, ethyl acetate

Sales Specifications

Appearance, visual	.....	Color liquid
Color, Gardner	.....	≤5
Viscosity, mPa·s, 25°C	.....	7,000-14,000
Total Amine Value	.....	650-680
MXDA, %	.....	24-28

Applications

Epoxy curing agent

Container Information

Available in 200kg steel drums.

Precautions for Safe Handling and Use

Extinguishing media

Dry chemical, Regular foam, Water fog

Health safety precautions

Avoid contact with eyes, skin and clothing.

Avoid breathing vapor.

Wash thoroughly the face, the hands after handling.

Storage conditions

Store in cool and dry place with adequate ventilation.

For specific safety, handling and toxicity information, please refer to the current Material Safety Data Sheet.

First Aid

If inhaled

Remove to fresh air immediately. Call a physician.

Skin contact

Wash exposed area thoroughly with plenty of soap and water while removing contaminated clothing and shoes. Call a physician.

Eye contact

Immediately flush eyes with plenty of water enough. Call a physician.

If swallowed

Immediately give 2 large glasses of water if victim is conscious. Call a physician.

Never give anything by mouth to an unconscious person.

Chemical Registration Numbers

CAS: 135470-04-1 (Reaction products), 1477-55-0 (MXDA)

EINECS: Not applicable (Reaction products), 216-032-5 (MXDA)

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Mitsubishi Gas Chemical Company. It is the responsibility of the users to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patents.



MITSUBISHI GAS CHEMICAL COMPANY, INC.

Americas	MITSUBISHI GAS CHEMICAL AMERICA, INC. 655 Third Avenue 24th Floor, New York, NY 10017 U.S.A. Phone: +1-212-687-9030 • Fax: +1-212-687-2810
Europe	MITSUBISHI GAS CHEMICAL EUROPE GMBH Immermannstr.13, D-40210 Dusseldorf, Germany Phone: +49-211-363080 • Fax: +49-211-354457
Head Office	MITSUBISHI GAS CHEMICAL COMPANY, INC. 5-2, 2-chome, Marunouchi, Chiyoda-ku, Tokyo 100-8324 Japan Phone: +81-3-3283-4812 • Fax: +81-3-3214-0938