

HEXAMINE

Material Safety Data Sheet

1. Identification of the substance /preparation and of the company undertaking:

Product Details:

Trade Name	HEXAMINE
Synonyms	METHAMINE,HEXAMETHYLENETETRAMINE, UROTROPIN
Chemical Formula	C6H12N4
Manufacturer /Supplier	Simalin Chemical Industries Pvt. Ltd.

Simalin Chemical Industries Pvt. Ltd. 13 GIDC Industrial Estate, H Road, Nandesari, Dist: Vadodara, Gujarat India. Email : simalin@simalin.com Website : www.simalin.com	
Further information obtainable from Information in case of emergency	Safety Department Tel:+91265-2840265

GHS or CLP classification & Labeling of Hexamine:

Signal word:	Warning
	
Hazard pictogram :	GHS02: flame

GHS07: exclamation mark :	
---------------------------	--

Hazard statements:	H228: Flammable solid. H317: May cause an allergic skin reaction.
Precautionary statements:	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241: Use explosion-proof electrical/ventilating/lighting equipment. P261: Avoid breathing dust/fume/gas/mist/vapors/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water.

2. Composition/Information on ingredients:

Description	CASNo.	EINECS Number
Hexamine	100-97-0	202-905-8

3. Hazard Identification:

Hazard description	Harmful if swallowed or inhaled. Causes irritation to skin, eyes, respiratory and gastronomical tracts.
Chronic Exposure	No data available.
Carcinogenicity(NTP/IARC/OSHA)	No.

4. First-aid Measures:

After inhalation	Remove to fresh air, restore breathing. Get medical attention.
After skincontact	Flush skin with water. Decontaminate clothing before reuse. Get medical attention if irritation persists.

After eye contact	Flush opened eye for several minutes under running water.
After swallowing	Rinse out mouth, give plenty of water incase conscious and induce vomiting. Call physician immediately in case of an unconscious victim.

5. Fire-fighting Measures:

Suitable extinguishing agents	CO2, dry chemical powder for small fire. Water spray, foam for large fire.
-------------------------------	--

6. Accidental Release Measures:

Person-related safety precautions	Use recommended respiratory protective device. Eliminate ignition sources.
Measuresfor cleaning/collecting	Sweep up and containerize for reclamation or disposal. Dispose contaminated material as waste according to item13.

7. Handling and Storage:

Handling	
Information for safe handling	Avoid breathing dust, avoid contact with eyes, skin and clothing. Decontaminate soiled clothing before reuse.
Information about fire and explosion protection	Concentrated dust may form a cloud that could produce an explosive hazard. This product is combustible and can be readily ignited when a flame is applied.
Storage	
Requirements to be met by store rooms and receptacles	Store in a cool, dry, ventilated area. Keep away from flame, acids and strong oxidizing agents. Avoid generation of excessive dust.

8. Exposure Controls/ Protection:

100-97-0Hexamine	
OES	Short termvalue*15mg/m ³ Long termvalue**--
*Total inhalable dust	
Personal protective equipment	
General protective and hygienic measures	The usual precautionary measures for handling chemicals are to be followed.
Respiratory protection	Suitable respiratory protective devise recommended.
Protection of hands	Protective gloves of neoprene rubber.
Eye Protection	Safety glasses with side shields.

9. Physical and Chemical Properties:

General information:	
Form	Crystalline powder
Colour	White
Odour	Odourless
pH	8.0 – 9.0
Change in condition	
Melting point/Melting Range	280°C
Boiling Point/Boiling range	--
Flash point:(CC)	250°C
Density at 20°C	1267 KG/m ³
Bulk density at 20°C	600 – 700 kg/m ³
Solubility in water at 20°C	Complete

10. Stability & Reactivity:

Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications. Keep away from sources of ignition, oxidizers, acetic acid, acetic anhydride, ammonium nitrate, nitric acid.
Dangerous reactions	Acidified solution on heating releases Formaldehyde.
Dangerous decomposition products	Formaldehyde, Oxides of Nitrogen.

11. Toxicological Information:

Acute toxicity:	
LD /LC50 values relevant for classification:	Oral/LD 50: Not established. IVN LD 50:9200mg/kg(Rat)
Primary irritant effect:	
On the skin	Mild irritant
On the eyes	Mild irritant
Sensitization	Mild

12. Ecological Information:

Environmental toxicity	Data not available
Environmental fate	Data not available

13. Disposal Conditions:

Whatever cannot be recycled should be transferred to appropriate and approved waste disposal facility. Dispose waste, containers and unused contents in accordance with official regulations.

14. Transit Information:

Shipping name	HEXAMINE
UN Number	1328;Class:4.1
Packing Group	III DOT Label: Flammable solid.

15. Regulatory Information:

This product is hazardous under the criteria of the OSHA Hazard Communication Standard 29CFR 1910.1200. This product is on the EPA Toxic Substance Control Act (TSCA) inventory list.

To the best of our knowledge, this product contains on levels of listed substances, which may cause cancer, birth defects or other reproductive effects.

16. Other information:

Simalin Chemical Industries Pvt Ltd provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Simalin Chemical Industries Pvt Ltd makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Simalin Chemical Industries Pvt Ltd will not be responsible for damages resulting from use of or reliance upon this information.

Department issuing MSDS: Safety Department

Date of Issue: 01-07-2015	Date of Revision: 30-06-2018
This document is valid for 03 years from the date of issue and is bound to be canceled, if not revised on or before the date of revision.	