

Material Safety Data Sheet



Issuing Date 14-May-2010***

Revision Date 14-May-2010***

Revision Number 1***

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name HYDROSIZE HP-1621

Product Code HP1621

Manufacturer Michelman, Inc.
9080 Shell Road
Cincinnati, Ohio 45236
(513)793-7766

In case of emergency call CHEMTREC 1-800-424-9300
Emergency telephone

1-800-424-9300; 1-703-527-3887(Int.)
1-800-215-1618

2. HAZARD IDENTIFICATION

Emergency Overview

No information available.

Color No information available.

Physical State Liquid

Odor No information available

HMIS **Health Hazard** 2*** **Flammability** 0*** **Stability** 0*** **PPE** B***

OSHA Regulatory Status Information listed in Sections 3, 11, and 15 is consistent with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and has also been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR)

Potential Health Effects
Principle Routes of Exposure
Target Organ Effects

Inhalation***.
No information available.

Acute Toxicity

Eyes

May cause slight irritation***

Skin

May cause irritation***

Inhalation

May cause irritation of respiratory tract***

Ingestion

No known effect based on information supplied

Chronic Effects

No known effect based on information supplied

Aggravated Medical Conditions

None known

Environmental Hazard

See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Michelman Formulas are confidential and proprietary. All formula components that are hazardous under the OSHA Hazard Communication Standard are listed below.

Chemical Name	CAS-No	Weight %
FURAN, TETRAHYDRO-	109-99-9	0.1 - 1

4. FIRST AID MEASURES

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Skin Contact	Wash skin with soap and water
Inhalation	Artificial respiration and/or oxygen may be necessary
Ingestion	Get medical attention immediately if symptoms occur
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable
Flash Point Method	Not flammable.***** Tag closed cup
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Extinguishing media which shall not be used for safety reasons	Do not use straight stream of water for fire fighting as the burning material may be spread
Explosive Properties	
Mechanical sensitivity (shock)	Not applicable
Mechanical sensitivity (Friction)	Not applicable

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment
Environmental Precautions	Do not flush into surface water or sanitary sewer system
Methods for Cleaning Up	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	ACGIH OEL (STEL)	OSHA PEL	OSHA STEL	NIOSH IDLH
FURAN, TETRAHYDRO-	Listed TWA: 50 ppm Skin***	100 ppm***	TWA: 200 ppm TWA: 590 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m ³ (vacated) STEL: 735 mg/m ³ (vacated) STEL: 250 ppm***		IDLH: 2000 ppm 10% LEL TWA: 200 ppm TWA: 590 mg/m ³ STEL: 735 mg/m ³ STEL: 250 ppm***

Engineering Measures Ensure that eyewash stations and safety showers are close to the workstation location

Personal Protective Equipment

Eye/Face Protection

Safety glasses with side-shields

Skin and Body Protection

Protective gloves

Respiratory Protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit***

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Color	No information available.
Odor	Slight	pH	Not determined***
Autoignition Temperature	No information available***	Boiling Point/boiling range	No information available*****
Melting Point/Range	No information available***	Freezing point	0 °C
Explosion Limits	No information available	Specific Gravity	1.000***
Density	8.32***	VOC Content(%)	Not applicable
Actual VOC (lb/gal)	0.0307***		
Ammonia Percent by Weight		None***	

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to Avoid	None known
Incompatible Products	None known based on information supplied
Hazardous Decomposition Products	Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
FURAN, TETRAHYDRO-	1650 mg/kg (Rat)***		180 mg/L (Rat) 1 h 53.9 mg/L (Rat) 4 h***

Chronic Toxicity None known

Carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
FURAN, TETRAHYDRO-	A3***			

Mutagenic Effects None known

Reproductive Toxicity None known

Target Organ Effects None known.

Endocrine System ***

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances
FURAN, TETRAHYDRO-	Group III Chemical***	

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to microorganisms	Daphnia Magna (Water Flea)
2-(Dimethylamino) ethanol	h EC50 72 35 mg/L***			h EC50 48 98.77 mg/L***
FURAN, TETRAHYDRO-				h EC50 24 >10000 mg/L***

Fate and behavior in the environment

Chemical Name	Log Pow
2-(Dimethylamino) ethanol	-0.55***
FURAN, TETRAHYDRO-	0.45***

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated Packaging

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT

Not regulated***

IATA

Not regulated***

IMDG/IMO

Not regulated***

15. REGULATORY INFORMATION

International Inventories

TSCA (USA)	Complies
DSL (Canada)	Does not Comply
EINECS (Europe)	Does not Comply
ENCS (Japan)	Does not Comply
IECSC (China)	Does not Comply
KECL (Korea)	Does not Comply
PICCS (Philippines)	Does not Comply
AICS (Australia)	Does not comply
ERMA (New Zealand)	Does not comply

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
FURAN, TETRAHYDRO-	1000 lb***	

State Regulations

California Prop. 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey
2-(Dimethylamino) ethanol	X***
FURAN, TETRAHYDRO-	X***

16. OTHER INFORMATION

Prepared By	Michelman, Inc.
Revision Note	No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet