



NO HEAT RESOURCES

Material Safety Data Sheet NO HEAT MeDeX 80 MERCURY DECONTAMINATION

Introductory Details
Date of preparation : 26th January 2004

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product Identification : Mercury Decontamination
Product / Trade Name : No Heat MeDeX 80
Chemical Name : N/A
Chemical Formula : N/A
Molar Mass : N/A
Chemical Family : N/A
Product Use : To remove mercury vapour from the air. Used via steam injection, direct spray or soaking technique.

1.2 Company's Details

No Heat Resources Pte Ltd

2 Jalan Tiga Ratus
01-06
Singapore 488067
Tel: +65 6546 5778

1.3 Manufacturing Plant

Prima Sierra Chemicals
1A, Jalan Bakti 1
Taman Mutiara Rini
81300 Skudai Johor Bahru
Malaysia

1.4 Emergency Telephone Numbers

Distributor/Company : +65 6546 5778
24 Hours Hotline : +659177 9744
Manufacturing Plant : +607558 8166
Chemical Engineer : +019727 2033

SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion (%)	Exposure Limit	Toxicity Data
Fatty acid	N/A	35-50	N/A	N/A
Citrate Compound	N/A	15-20	N/A	N/A
Hydroxide	N/A	1-5	N/A	N/A
Oxidation Agent	N/A	5-10	N/A	N/A
Imidazolines	N/A	1-5	N/A	N/A

SECTION 3.0 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Odour	: Mild Odor
Solubility	: Negligible
Boiling Point	: >200C
Melting Point (0C)	: N/A
pH	: 5.5–7.5
Vapour Pressure (mm of Hg at 25°C)	: N/A
Percentage Volatiles	: N/A
Evaporation Rate	: Slow
Vapour Density	: More than air
Specific Gravity	: 0.99– 1.05
Flash point	: No Flash Point
Autoignition temperature	: N/A
Flammable limit (%) and	: N/A
Other properties if applicable.	: N/A

SECTION 4 : HAZARD IDENTIFICATION

Inhalation	Concentration exceeds the ACGIH TLV causes irritating to the nose, throat and respiratory tract.
Skin contact	Believed to be slightly irritating with possible redness, pain, swelling, edema or dry
Eye contact	Irritant. Prolong and repeated contact may cause conjunctivitis and possible cornea injury.
Ingestion	Large doses may cause gastro-intestinal upset.
Acute exposure	As above
Chronic exposure	N/A
Special health precautions	None

SECTION 5: FIRST AID MEASURES

Inhalation	Not expected to require first aid measures.
Skin contact	In case of contact, immediately flush skin with soap and water repeatedly for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops or persists.
Eye contact	In case of contact, flush eyes with water repeatedly for at least 15 minutes. Get medical advice if irritation develops.
Ingestion	If large amounts were swallowed, give water or milk to drink. DO NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person
Note to physician	N/A

SECTION 6: FIRE FIGHTING MEASURES

Conditions of flammability:	None
Hazardous combustion products:	None
Explosion data:	Do not enter any enclosed or confined space without self-contained breathing apparatus to protect against the hazardous effects of combustion products or oxygen deficiency.
Extinguishing media:	Water Spray, Dry Chemical, Foam or Carbon Dioxide
Fire fighting Procedures:	None

SECTION 7: ACCIDENTAL RELEASE MEASURE

Stop the source of the leak or release and contain spill if possible. Ventilate the area. Use respirator and protective clothing as discussed in this MSDS.

Cover the spill with a generous amount of inert absorbent. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a disposable container. Prevent contamination of groundwater or surface water of water to dilute.

SECTION 8: HANDLING AND STORAGE

Store in a dry and well-ventilated area.

SECTION 9: EXPOSURE CONTROL AND PERSONAL PROTECTION

Recommendations listed in this section indicate the type of equipment that will provide protection against overexposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

Ventilation system:	Local and general exhausts are recommended to keep exposure levels below recommended limits.
Respiratory protection:	Use NIOSH-approved breathing apparatus.
Skin/Eye protection:	Wear chemical resistant gloves, chemical safety goggles, coveralls, and splash aprons.
Others:	Eye bath and safety shower must be in area.

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions. Incompatible with strong oxidizing agents, aluminum, copper, iron, iron salts.
Conditions to avoid	Excessive Heating.
Incompatible substances:	None
Hazardous decomposition:	None
Hazardous polymerization:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Effects of acute exposure	: See Section 3
Effects of chronic exposure	: See Section 3
Reproductive toxicity	: N/A
Toxicologically synergistic products	: N/A
Mutagenicity	: N/A
Teratogenicity	: N/A
Carcinogenicity	: None
Irritancy	: None

SECTION 12: ECOLOGICAL INFORMATION

Mobility&	: Soluble in water
Bioaccumulation	: This material may biodegrade to a moderate extent. This material is not expected to significantly bioaccumulate.
Biodegradability	: N/A
Toxicity	: N/A

SECTION 13: DISPOSAL INFORMATION

Dispose of in an approved facility in accordance with all local, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

Shipping Name	: None
PIN(UN/NA)	: Not Registered
Primary classification	:
Packinggroup	:

SECTION 15: REGULATORY INFORMATION

RISK PHRASES

- R22 - Harmful if swallowed.
- R36 - Irritating to eyes.
- R20 – Harmful by irritation

SAFETY PHRASES

- S7/8 - Keep container tightly closed and dry
- S7/9 - Keep container tightly closed and well ventilated place
- S23 - Do not breathe gas / fumes / vapour
- S36/37/39 - Wear suitable protective clothing, gloves and eyes/face protection

SECTION 16: OTHER INFORMATION

NFPA Ratings: Health: 2 Flammability:0 Reactivity: 0

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