

# METREX

## Material Safety Data Sheet

in accordance with Community Regulation 2006/1907/EC (R.E.A.C.H.)

Revision Date: 28<sup>th</sup> January 2008

### SECTION 1

#### Product & Company identification

1.1 Product name

**CANISTER EXPRESS**

1.2 Uses/Application:

Solidification of liquid medical wastes.

1.3 Company (Name, address and info phone number)

**METREX RESEARCH CORPORATION**

28210 Wick Road

Romulus, Michigan 48174 – U.S.A.

+1-714-516-7788

1.4 Emergency phone (according to communitarian directive 99/45/EC, article 17)

+39.081.8508.325 (08.00-17.00, European time, GMT+1)

E-mail address: [safety@kerrhawe.com](mailto:safety@kerrhawe.com)

### SECTION 2

#### Hazard identification

2.1 Hazard classification (according to communitarian directives 67/548/EEC & 99/45/EC)

None.

2.2 Other hazard

None.

### SECTION 3

#### Composition/Information on Ingredients

(according to communitarian directives 67/548/EEC, 99/45/EC & 2001/58/EC)

3.1 Hazardous ingredients

HAZARDOUS INGREDIENTS	%	HAZARD SYMBOLS	RISK PHRASES	CAS N.	EINECS N.
Acrylic acid	≤ 0,1	Xn; C; N	10-20/21/22-35-50	79-10-7	201-177-9

3.2 Other non-hazardous ingredients

Polyacrylates

**SECTION 4****First aid measures**

- 4.1 Treatment for eye contact: Flush with water for 15 minutes. Contact a physician.
- 4.2 Treatment for skin contact: Wash skin with soap and water. Contact a physician.
- 4.3 Treatment for inhalation (breathing): Remove to fresh air. Contact a physician.
- 4.4 Treatment for ingestion (swallowing): Contact a physician.

**SECTION 5****Fire-fighting Measures**

- 5.1 Suitable extinguishing media: Water, carbon dioxide, dry chemical or foam.
- 5.2 Forbidden extinguishing media: Not available.
- 5.3 Special fire fighting measures: Not applicable.
- 5.4 Unusual fire and explosion hazards: Becomes slippery when wet.
- 5.5 Special protection equipment: Wear self-contained breathing apparatus and full fire-fighting protective clothing.

**SECTION 6****Accidental Release Measures**

- 6.1 Personal Precautions: Follow recommended precautions listed in other sections.
- 6.2 Environmental Precautions: None specific.
- 6.3 Reclaiming Methods: Sweep or vacuum material into a waste container for disposal. Avoid dusting conditions.

**SECTION 7****Handling and Storage** (according to article 5 of communitarian directive 98/24/EC)

- 7.1 Handling Precautions: Avoid dusting conditions.
- 7.2 Precautions in case of Fire and Explosion: Not applicable.
- 7.3 Storage Conditions: Store in a cool, dry place inside a sealed container.
- 7.4 Suggested container(s): Original sealed containers provided by manufacturer.
- 7.5 Indication for Combined Storage: Not applicable.
- 7.6 Environmental precautions: None specific.
- 7.7 Other Precautions: Moisture or the presence of liquid will be absorbed by the product. Use according to directions.

<b>SECTION 8</b>	
<b>Exposure controls/personal protection</b>	
8.1 Exposure Limits:	TWA/TLV (Acrylic acid): 2 ppm (5,9 mg/m <sup>3</sup> )
8.2 Exposure control measures	
8.2.1 Precautionary Measures: (according to communitarian directives 89/686/EEC & article 4 of 98/24/EC)	
Ventilation:	<u>Local Exhaust Ventilation</u> : Use adequate ventilation to maintain recommended exposure limits. <u>Special Ventilation</u> : None. <u>Mechanical (General) Ventilation</u> : Usually sufficient. <u>Other Ventilation</u> : Not applicable.
Respiratory Protection:	Wear an approved dust mask to guard against dusty conditions.
Hands Protection:	Protective gloves are recommended.
Eyes Protection:	Safety glasses recommended.
Skin Protection:	Handle in accordance with good personal hygiene and safety practices.
Other Protective Equipments:	None.
<i>Measures listed in this paragraph are to be consider as indications and NOT as prescriptions (89/656/EEC)</i>	
8.2.2 Environment exposure control measures Not Applicable.	

<b>SECTION 9</b>	
<b>Physical and Chemical Properties</b>	
9.1 General information	
<u>Appearance</u> : White powder	<u>Odour</u> : Wintergreen fragrance like
9.2 Information related to health, safety and environment	
<u>pH</u> : Not applicable	<u>Relative density</u> : Not determined
<u>Boiling point</u> : Not applicable	<u>Specific gravity</u> : Not applicable
<u>Flash point</u> : Not flammable	<u>Solubility</u> : Slightly soluble in water
<u>Flammability</u> : Not flammable.	<u>Partition coefficient n-octanol/water</u> : N/D
<u>Lower Explosivity Limit (L.E.L.)</u> : N/A	<u>Viscosity</u> : Not determined
<u>Upper Explosivity Limit (U.E.L.)</u> : N/A	<u>Vapour density (air = 1)</u> : Not applicable
<u>Oxidizing properties</u> : None	<u>Evaporation rate (n-butane = 1)</u> : Not available
<u>Vapour pressure</u> : Not determined (N/D)	<u>Melting point</u> : N/A
9.3 Other information (according to communitarian directive 94/9/EC):	
<u>Miscibility</u> : Not applicable.	<u>Conducibility</u> : N/D
<u>Solubility in Lipids</u> : Not available	<u>Gases Group</u> : N/A

**SECTION 10  
Stability and Reactivity**

Stability: Stable.

10.1 Conditions to avoid: Avoid dusting conditions.

10.2 Materials to avoid (incompatibility): Not applicable.

10.3 Hazardous decomposition products: Unknown.

Other precautions:

Hazardous Polymerization Products: Will not occur

Safety significance in case of change in physical appearance: None known

Stabilizers: Product is not required to be stabilized.

**SECTION 11  
Toxicological Information**

CMR effects (Carcinogenicity, Mutagenicity and toxicity for reproduction):

None.

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Effects and hazards of eye contact: May cause irritation.

Effects and hazards of skin contact: May cause irritation.

Effects and hazards of Inhalation (Breathing): May cause irritation.

Effects and hazards of Ingestion (Swallowing): If ingested, may result in an obstruction.

Effects for prolonged Exposure: Not applicable.

Toxic-kinetic effects: Unknown.

Effects on metabolism: Unknown.

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Toxicological data for ingredients:

<b>Acrylic acid</b>	LD <sub>50</sub> (Oral rat):	193 mg/Kg
	LC <sub>50</sub> (Inhalation rat, 4 hours):	3600 mg/m <sup>3</sup>
	LD <sub>50</sub> (Skin rabbit):	280 mg/Kg

**SECTION 12****Ecological Information**

This product has not known ecological hazardous effects.

12.1 Eco-toxicity: Not available

12.2 Mobility: Not available

12.3 Persistence and degradability: Not available

12.4 Bioaccumulative potential: Not available

12.5 Results of PBT (Persistent Bio-Toxicity) assessment: Not available

12.6 Other adverse effects: Not available

Aquatic toxicity data for ingredients:

<b>Acrylic acid</b>	LC <sub>50</sub> (Oncorhynchus mykiss):	27 mg/l (96 hours)
	EC <sub>50</sub> (Daphnia magna):	95 mg/l (48 hours)
	EC <sub>50</sub> (Scenedesmus subspicatus):	0,04 mg/l (96 hours)

**SECTION 13****Disposal considerations**

Dispose of in accordance of local regulations.

**SECTION 14****Transport information**

14.1 Sea transportation (IMDG)

The product is not regulated.

14.2 Air transportation (ICAO/IATA)

The product is not regulated.

14.3 Transportation by Road/Railway (RID/ADR)

The product is not regulated.

**SECTION 15** (Classification according to communitarian directives 67/548/EEC & 99/45/EC)

**Regulatory information**

Hazard labelling: None.

Risk phrases: None.

Safety phrases: None.

**SECTION 16****Other information**16.1 Risk phrases of all ingredients

- 10 Flammable.  
 20/21/22 Harmful by inhalation, in contact with the skin and if swallowed.  
 35 Causes severe burns.  
 50 Very toxic to aquatic organisms.

16.1.1 Safety phrases of all ingredients

- 3 Keep in a cool place.

16.2 Sources of key data used to compile the Safety Data Sheet:

European Chemicals Bureau (ECB – [www.ecb.jrc.it](http://www.ecb.jrc.it))

European chemical Substances Information System (ESIS - [www.ecb.jrc.it/esis](http://www.ecb.jrc.it/esis))

A.C.G.I.H. ([www.acgih.org](http://www.acgih.org))

N.I.O.S.H. ([www.cdc.gov/niosh/](http://www.cdc.gov/niosh/))

O.S.H.A. ([www.osha.gov/](http://www.osha.gov/))

U.E. ([www.europa.eu/index\\_it.htm](http://www.europa.eu/index_it.htm))

I.A.R.C. ([www.iarc.fr/](http://www.iarc.fr/))

N.T.P. ([www.ntp.niehs.nih.gov](http://www.ntp.niehs.nih.gov))

European Community Directives:

67/548/EEC:	Classification, packaging and labelling of dangerous substances.
99/45/EC:	Directive concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
2001/58/EC:	Second amendment of directive 91/155/EEC for the definition of a detailed arrangement of specific information relating to dangerous preparations (art. 14 of 99/45/EC) and substances (art. 27 of 67/548/EEC).
89/656/EEC:	Directive on the minimum health and safety requirements for the use by workers of personal protective equipment at the workplace (third individual directive within the meaning of Article 16 (1) of Directive 89/391/EEC).
89/686/EEC:	Approximation of the laws of the Member States relating to personal protective equipment.
94/9/EC:	Approximation of the laws of the Member States concerning equipment and protective systems intended for use in potentially explosive atmospheres
98/24/EC:	Protection of the health and safety of workers from the risks related to chemical agents at work.

Document modification history: First version in compliance of Community Regulation 2006/1907/EC (R.E.A.C.H.)

**CAUTION: PRODUCT FOR PROFESSIONAL USE**

**The information on this Safety Sheet is based on presently available data and to our best knowledge for the correct handling of the product under normal conditions. Any use of this product in any way not indicated on this Sheet or the use of this product together with any other process/procedure will be exclusively under the user's responsibility. This document does not constitute explicit or implicit warranty of product quality or fitness for a particular purpose.**