

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : DEFRIC COAT D-1 C

1. Product and Company Identification

Product name: DEFRIC Coat D-1C
Synonyms: None
Item Numbers: To be advised

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2. Hazards Identification

EMERGENCY OVERVIEW

This material when properly handled according to good working and hygienic practices is not dangerous to human health and the environment. Harmful effects are expected only when thermal decomposition produces corrosive and toxic vapours.

For short and long term exposure effects, refer to Section 11 Toxicological data.

Eye Effects: May be irritating to the eyes.
Skin Effects: Prolonged or repeated skin contact may cause skin irritation.
Ingestion/Oral Effects: No specific data available.
Inhalation Effects: No specific data available.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No data available.

NFPA Hazard codes		HMIS Hazard codes		Rating System
Health	TBA	Health	TBA	0 = No Hazard
Flammability	TBA	Flammability	TBA	1 = Slight Hazard
Instability	0	Reactivity	0	2 = Moderate Hazard
				3 = Serious Hazard
				4 = Severe Hazard

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3. Composition/Information on Ingredients

Ingredient	% Weight	CAS No	Hazard class*	Risk phrase*
Xylene	20-30	1330-20-7	TBA	TBA
Methyl ethyl ketone	20-30	78-93-3	TBA	TBA
Ethylene glycol monoethylether acetate	10-20	111-15-9	TBA	TBA
Toluene	5-15	108-88-3	TBA	TBA

*Hazard class & Risk phrase. These columns are only completed for ingredients which are classified as hazardous under EU Directive No 1272/2008 (as amended) and are present in sufficient concentration to make the overall substance hazardous. In all other situations, the column will be completed as "Not applicable".

4. First Aid Measures

Eyes: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

Skin: Flush with large amounts of water. Use soap if possible. Remove severely contaminated clothing and wash before re-use. If irritation persists seek medical attention.

Ingestion/Oral: TBA.

Inhalation: Remove affected person to fresh air. If breathing has stopped, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Other Information: None.

5. Firefighting Measures

Extinguishing Media: Carbon dioxide, foam, dry chemical or sand.

Fire and Explosion Hazard: No unusual fire or explosion hazards.

Special Protective Equipment for Firefighters: Self-Contained Breathing Apparatus (SCBA) and protective clothing should be worn to fight fires involving chemicals.

For Flammability Properties - refer to Section 9.

6. Accidental Release Measures

Shut off all source of ignition, heat and inflammable materials immediately. Cover with sand and allow the material to be absorbed in sand before clean up. Take up and place in closed container, and keep in safety zone.

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7. Handling and Storage

Handling: Minimise skin contact. Keep away from open flames and high temperatures.

Storage: Store in adequately ventilated area. Protect from direct sunlight.

8. Exposure Controls/Personal Protection

Exposure Limits:

Ingredient	ACGIH - TLV	OSHA - PEL	Occupational Exposure Limits EH40 (UK)
Xylene	100 ppm	TBA	TBA
Methyl ethyl ketone	200 ppm	TBA	TBA
Ethylene glycol monoethylether acetate	5 ppm	TBA	TBA
Toluene	50 ppm	TBA	TBA

Personal Protection:

Engineering Measures: Use with appropriate local exhaust ventilation. Apply technical measures to comply with the occupational exposure limits.

Respiratory Protection: Not necessary in normal use, but in the event of fire SCBA must be used.

Hand/Skin Protection: Wear gloves, hats and full body clothing to prevent skin contact.

Eye/Face Protection: Wear safety glasses or chemical goggles to prevent eye contact.

Hygiene Measures: Practice good workplace hygiene. Do not eat or smoke when handling. Wash hands with soap and water after use and before eating.

Other/General Protection: None.

9. Physical and Chemical Properties

Appearance and Odour	Clear yellow liquid, with a solvent odour	Boiling point	No data available	°C/°F
pH (as supplied)	No data available	Freezing Point	No data available	°C/°F
Solubility in Water	Insoluble	Auto Ignition	No data available	°C/°F
Volatile Content by Volume	No data available	Flash Point	1.3/34.3	°C/°F
Specific Gravity	0.91 g/l @ 20 °C			
Vapour Pressure (mbar)	No data available	Vapour Pressure (Torr)	No data available	

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10. Stability and Reactivity

Stability:	Stable.
Material/Conditions to Avoid:	Strong oxidisers.
Hazardous Decomposition:	Oxides of Nitrogen, Sulphur and Carbon, plus other unidentified oxygenates can be formed during combustion.
Hazardous Polymerisation:	Will not occur.

11. Toxicological Information

For a comprehensive description for the various toxicological (health) effects which may arise if the user comes into contact with the substance or preparation refer to Section 2 Hazards Identification.

Animal data:

LD50 value: No data available.

LC50 value: No data available.

Carcinogenicity:

No data available.

12. Ecological Information

Mobility: No data available.

Degradability: No data available.

13. Disposal Considerations

Dispose of wasted in an approved disposal facility, in compliance with local regulations. Prior to disposal, atomizing gasses must be exhausted completely.

14. Transport Information

No data available.

PARAMETER	EUROPEAN	CANADIAN TDG	UNITED STATES DOT
Proper Shipping Name	No data available	No data available	No data available
Hazard Class	No data available	No data available	No data available
Identification Number	No data available	No data available	No data available
Shipping Label	No data available	No data available	No data available

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15. Regulatory Information

European Regulatory Information

This product has been classified in accordance with EU Regulation No 1272/2008 (as amended) on the Classification, Labelling and Packaging of Substances and Mixtures.

Classified as dangerous to supply: No data available.

Risk Phrases: No data available.

Safety Phrases: No data available.

Symbols: No data available.

United States Regulatory Information

No data available.

Canadian Regulatory Information

No data available.

16. Other Information

This MSDS is compiled in accordance with ANSI Z400.1 and Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Source of information for this data sheet:

- Kawamura Material Safety Data Sheet for Defrie Coat D-1C, Issue Date 4th April 2001 (version 3).

Glossary:

ACGIH - American Conference of Governmental Industrial Hygienists; ANSI - American National Standards Institute; Canadian TDG - Canadian Transportation of Dangerous Goods; CAS - Chemical Abstracts Service; Chemtrec - Chemical Transportation Emergency Center (US); DSL - Domestic Substances List; EEC - European Economic Community; EH40 (UK) - HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA - Emergency Planning and Community Right-to-Know Act; EU - European Union; HMIS - Hazardous Material Information Service; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OSHA - Occupational Safety and Health Administration, US Department of Labour; PEL - Permissible Exposure Limit; SARA (Title III) - Superfund Amendments and Reauthorization Act; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self-Contained Breathing Apparatus; STEL - Short Term Exposure Limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-Weighted Average; US DOT - US Department of Transportation; WHMIS - Workplace Hazardous Materials Information System.

Revisions:

October 2008 - Data Sheet updated to reflect the latest supplier safety information.

June 2010 - Data Sheet updated to reflect current regulatory information.

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