SAFETY DATA SHEET

HOT STUFF (WICK) CHAFING FUEL

Issued: 13/10/2011
Revision No. 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product name: WICK CHAFING FUEL
Synonyms, trade names: HOT STUFF DEG (wick) Chafing Fuel
Company name: Flomatic t/a Renovate Ltd
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2. HAZARD IDENTIFICATION

Main hazard: Harmful if swallowed.
Classification: Xn, R22

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Conc. (%w/w)	Classification
DEG – diethylene glycol	203-872-2	111-46-6	100%	[Xn] R22

4. FIRST AID MEASURES (ACTION)

General information: First aider: Pay attention to self-protection! Do not breathe gas/fume/aerosols.
Skin contact: After contact with skin, wash immediately with water. Change contaminated clothing immediately.
Eye contact: In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and seek medical attention immediately.
Ingestion: Rinse mouth immediately and drink plenty of water, do not induce vomiting. ASPIRATION HAZARD! Call a physician immediately. Risk of damage to livers and kidney. Seek medical attention immediately.
Inhalation: Move victim to fresh air and treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing measures: Co-ordinate fire-fighting measures to the fire surroundings.
Suitable extinguishing media: Alcohol resistant foam. Water jet. Dry extinguishing powder. Carbon dioxide (CO2)
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus.
Additional information: Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Take precautionary measures against static discharges. Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Provide adequate ventilation. Do not breathe gas/fume/vapour/spray. Avoid contact with skin, eyes and clothing. Wear personal protection equipment. Use personal protection equipment.
Environmental precautions:	Do not allow to enter into surface water or drains.
Methods for cleaning up:	Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid or universal binding agents. Treat the recovered material as prescribed in the section on waste disposal. Clear contaminated areas thoroughly.

7. HANDLING AND STORAGE

Handling:

Advices on safe handling:	Provide adequate ventilation. Do not breathe gas/fume/vapour/spray. Avoid contact with skin, eye and clothing. Wear personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust is not possible or not sufficient, the entire working area should be ventilated by technical means.
Precautions against fire and explosion:	Have fire-extinguishers in readiness before opening containers.
Additional information	
Suitable floor material:	Solvent-resistant.
Technical means for safe handling:	Measures to prevent aerosol and dust generation: Closed devices.
Suitable container/equipment material:	Refined steel, Polyethylene.
Unsuitable material for containers/equipment:	Zinc.

Storage:

Requirements for storage room and vessels:	Keep container tightly closed. Keep in cool, well-ventilated place. Protect against: heat, humidity, light. Store in a place accessible by authorised persons only.
Hints on joint storage:	Do not store together with: Food and feeding stuffs.
Suitable container/equipment material:	Refined steel, Polyethylene, Aluminium.
Unsuitable material for containers/equipment:	Zinc.

Storage class (VCI): 10 - 13

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Substance CAS-No.	Limit value ml/m3	mg/m3	F/m3	Peak limit category	type
DEG **111-46-6**	10	44		4(l)	

Occupational exposure limits – Germany (TRGS 900)

Occupational exposure controls:	If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas, fume, vapour, spray.
General health and safety measures:	Change contaminated, saturated clothing immediately. Use protective skin cream before handling the product. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink and smoke.
Respiratory protection:	If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable respiratory protection apparatus: Combination filtering device (DIN EN 141).
Hand protection:	The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. Required properties: liquid-tight.
Suitable material:	NR (natural rubber, natural latex), CR (polychloroprene, chloroprene rubber), NBR (nitrile rubber), FKM (fluoro rubber), PVC (polyvinyl chloride).
Suitable eye protection:	Suitable eye protection. Eye glasses with side protection. Basket eye glasses.
Protective clothing:	For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Check leak tightness/ impermeability prior to use.
Suitable protective clothing:	Apron, protective Apron, chemical protection clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Transparent
Odour:	Odourless
Boiling point (°C):	244 °C
Melting point:	- 6 °C
Density:	1,12 g/cm3
Vapour pressure:	0.03 hPa (at 50°C)
Flash point (°C):	140 °C
Explosion limit – lower (%)	1.7 Vol.-%
Explosion limit – upper (%):	37 Vol.-%
Volative organic components:	1120 g/l, 100%

10. STABILYTY AND REACTIVITY

Materials to avoid:	Oxidizing agents, strong.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Oral: Rat LD 50: 12.600 mg/kg Dermal: Rat LD 50: 11.900 mg/kg
Additional information:	The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC)

12. ECOLOGICAL INFORMATION

Ecotoxicity: Fish: LC 50: 75.200 mg/l
Additional information: The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC)

13. DISPOSAL CONSIDERATIONS

General information: Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Contaminated packages must be completely emptied before sending for laundering and re-use.
Disposal methods: Dispose of waste and residues in accordance with local authority requirements. Confirm disposal procedures with environmental engineer and local regulations. Do not allow runoff to sewer, waterway or ground. Contact specialist disposal companies.

14. TRANSPORT INFORMATION

ADR / RID

UN no: Not classified.

IMDG / IMO

UN no: Not classified.

IATA / ICAO

UN no: Not classified.

15. REGULATORY INFORMATION

Labelling:

Contains: Diethylene glycol
Risk phrases: R22: Harmful if swallowed.
Safety phrases: S46: If swallowed, seek medical advice immediately and show this container or label.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard for labelling: Diethylene glycol
Signal word:

Danger!
Categories of danger: Acute toxicity 4, oral
Hazard statement: H 302 – Harmful if swallowed.
EU-Legislation:
Maximum VOC content: 1120 g/l

16. OTHER INFORMATION

Risk phrases in full: R22: Harmful if swallowed.

Legal disclaimer: This information relates only to the specific material designated and may not be valid for such a material used in combination with any other material or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for this own particular use.