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Edition 3.02 – 27 March 2014

SAFTY DATA SHEET

Mayhems XT-1 NUKE – 250ml

1. PRODUCT AND COMPANY IDENTIFICATION

1.1	Product Identifier:	Mayhems XT-1 NUKE
	Product Description:	Liquid Coolants
1.2	Intended Use:	Liquids Cooled PC's only
1.3	Manufacturer / Supplier:	Mayhems
	Address:	Unit 12 Whessoe Road, Co Durham, DL3 0QP, United Kingdom
1.4	Emergency Telephone No:	+44 (0) 7455012917 (09:00 am - 05:00pm)
	E-Mail:	support@mayhems.co.uk

2. HAZARD IDENTIFICATION

2.1	Main Hazards:	
	Classification:	(EC 1272/2008)
	Physical & Chemical Hazards:	Not Classified
	Human Health:	Not Classified
	Environment:	Not Classified

In accordance with Article 9 and Article 12 of EC 1272/2008, Mayhems XT-1 has been assessed as a mixture where adequate and reliable scientific information demonstrates the occurrence of synergistic and antagonistic effects that render the mixture non-toxic with an LD50 (Oral Rat) > 15,000 mg/kg body weight.

Classification (67/548/EEC:) Not Classified

2.2	Label Elements	
	Labelling - Regulation (EC) No. 1272/2008	Not Classified
2.3	Other Hazards	
		Not Classified as PBT/vPvB by current EU criteria

3. COMPOSITION, INFORMATION AND INGREDIENTS

COMPONENT	CAS no	EINECS	%	R PHASES	CLASSIFICATION
Ethenediol (aka Ethylene Glycol)	107-21-1	203-473-3	<90	N/A	N/A
Pure Water - Density Standard	7732-18-5	231-791-2	<8	N/A	N/A

Composition Comments - Hazard Ethylene Glycol content is rendered non-toxic as a mixture by other constituents

4. FIRST AID MEASURES

4.1	Ingestion: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. Ingestion Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention. Inhalation: Remove contaminated clothing and wash skin with soap and water. Get medical attention if any discomfort continues. Skin Contact: Flush with water – seek medical advice if reaction occurs Eye Contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses & open eyes wide apart. Get medical attention if discomfort continues.
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- 4.2** Most important symptoms and effects, both acute and delayed
Inhalation: No specific symptoms noted
Ingestion: No specific symptoms noted
Skin contact: Potentially mild irritation
Eye contact: No specific symptoms noted
- 4.3** Indication of any immediate medical attention and special treatment needed
No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, Get medical attention promptly and present a copy of this Safety Data Sheet.

5. FIRE FIGHTING MEASURES

- 5.1** Extinguishing Media Water, foam. Carbon Dioxide (CO₂). Dry chemicals, sand and dolomite etc
- 5.2** Special hazards arising from the substance or mixture Specific hazards when heated and in case of fire, harmful vapours/gases may be formed
- 5.3** Advice for fire fighters: Protective equipment for fire fighters Wear self-contained breathing apparatus and full protective equipment

6. ACCIDENTAL RELEASE OF MATERIAL

- 6.1** Personal precautions, protective equipment and emergency procedures: Warn everybody of potential hazards and evacuate if necessary. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.
Ventilate. In case of inadequate ventilation, use respiratory protection. Wear protective clothing as described in Section 8 of this safety data sheet.
- 6.2** Environmental protections: Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate body.
- 6.3** Methods and material for containment and cleaning up: Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations
- 6.4** Reference to other sections: Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

7. HANDLING AND STORAGE

- 7.1** Precautions for safe handling: Avoid spilling, skin and eye contact. Avoid inhalation of vapours and spray mists. Provide good ventilation.
Provide good ventilation. Keep away from heat, sparks and open flame.
- 7.2** Conditions for safe storage, including any compatibilities: Keep containers tightly closed. Keep in original container. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.
- 7.3** Specific end use(s): The identified uses of this product are detailed in Section 1.2.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1

NAME	STD	TWA-8Hrs	STEL – 15min	Notes
ethanediol	WEL*	52 mg/m ³ (Sk)	104 mg/m ³ (Sk)	

WEL = Workplace Exposure Limit.

8.2

Exposure Controls



Protective equipment

Engineering Measures: Provide adequate general and local exhaust ventilation.

Respiratory Equipment: If ventilation is insufficient, suitable respiratory protection must be provided.

Hand Protection: Use protective gloves

Eye Protection: Wear approved safety goggles

Skin Protection: Wear apron or protective clothing in case of contact



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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Form:	Liquid
	Colour:	Different colours in natural light at 25c
	Odour:	Odourless
	pH:	7 – 8 at 10 g/l at 25°C
	Boiling Point:	100 °C
	Freezing Point:	-8 °C
	Density:	0.8-1 at 25°C
	Solubility in water:	99%

10. STABILITY AND REACTIVITY

10.1	Reactivity:	None
10.2	Stability:	None
10.3	Possibility of reactions:	None
10.4	Conditions to Avoid:	None

11. TOXICOLOGICAL INFORMATION

11.1	Acute toxicity		
	-LD50 oral	>10 gm/kg	Rat (oral)
11.2	Primary irritation		
	(Skin):	Non-irritant	Rabbit
	(Eye):	product may cause discomfort	Rabbit
	Adverse effects in man:	No adverse effects reported	
	Additional information:	None	

12. ECOLOGICAL INFORMATION

12.1	Toxicity:	Not considered hazardous
12.2	Persistence and degradability:	The Glycerol will biodegrade within 30 days.

13. DISPOSAL

13.1	Product Disposal:	Can be disposed of down normal waste drain.
	Container Disposal:	Containers should be cleaned with water and then Re-used or disposed in same manner as contents.



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14. TRANSPORT INFORMATION

Transport road and rail

UN Number ADR/RID

Correct technical name ADR/RID Free

ADR/RID Class

Packing Group

Transport air

UN Number ICAO

Proper shipping name Free

ICAO Class

Packing Group

Transport sea

UN Number IMO

Proper shipping name Free

IMDG Class

Packing Group

15. REGULATORY INFORMATION

Labelling Information: None

R Phrases: None

S Phrases: None

16. OTHER INFORMATION

The information contained within this document is believed to be accurate. The sole purpose of the data sheet is to provide guidance on the safe handling and use of the respective product. It does not form part of any product specification or contract. It is not practical for the information to cover every Conceivable application of the product. It is the responsibility of the user to evaluate the information for their own particular purpose. In no event shall the company be held liable for any injury, loss or damage resulting from its use.

Date of Completion: 27 march 2014

Completed By: M Wood