

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Identification of the Preparation

· 5 STAR FLIPCHART MARKERS -	BLACK -	909884
	RED -	909906
	BLUE -	909892
	GREEN -	909914
	WLT 4 -	909922

1.2 Identification of the Company/Undertaking

Hainenko Limited
284 Chase Road
Southgate
London N14 6HF

2. COMPOSITION / INFORMATION ON INGREDIENTS

- Chemical characterization:

Mixture of the following substance, containing non-hazardous substances and colouring agents.

- Description: Mixture of the substances list below with non hazardous additions.

- Dangerous components:

Diethyleneglycol 2.5 – 10%

Glycol 2.5 – 10%

3. HAZARDS IDENTIFICATION

- Hazard description: Not applicable

- Information for particular dangers for man and environment.

Classification guideline for preparations of the "EU" in the latest valid version

- Classification system

The classification was made according to the latest editions of international substances lists and expanded upon from company and literature data.

- NFPA ratings: (scale 0 – 4)

Health = 0

Fire = 1

Reactivity = 0

- HMIS – ratings: (scale 0 – 4)

Health = 0

Fire = 1

Reactivity = 0

4. FIRST AID MEASURES

- General information - No special measures required.
- After inhalation - Supply fresh air; consult doctor in case of complaints.
- After skin contact - Generally the product does not irritate the skin.
- After eye contact - Rinse opened eye for several minutes under running water.
- After swallowing - If symptoms persist consult a doctor.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing agents - Use fire fighting measures that suit the environment.
- Protective equipment - No special measures required.

6. ACCIDENTAL RELEASE MEASURES

- Person-related safety precautions - Not required.
- Measures for environment protection - Dilute with plenty of water; do not allow to enter sewers/surface or ground water.
- Additional information - No dangerous substances are released.

7. HANDLING AND STORAGE

- Information for safe handling - No special measures required.
- Information about protection against explosions and fires - No special measures required.
- Requirements to be met for storage - No special requirements.
- Further information about storage conditions – None.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Additional information about design of technical systems - No further data, see item 7.
- General protective and hygienic measures - The usual precautionary measures for handling chemicals should be followed:
 - Breathing equipment: Not required
 - Protection of hand: The glove material has to be impermeable and resistant to the product.
 - Eye protection: Goggles recommended during refilling.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: fluid
 - Colour: Black, blue, red green according to the product specification.
 - Order: Characteristic
 - Change in condition
- Melting point / Melting range: undetermined
Boiling point: 100? (212.)
Flash point: 111? (232.)
Ignition point: 225? (437.)
Auto igniting: Product is not self-igniting.
Danger of explosion: Product does not present any explosive hazard.
Explosion limits: lower 0.7 Vol%, upper 53.0 Vol %
Density: Not determined.
Solubility in / miscibility with Water: Fully miscible
PH value at 20? (68.): 8
Solvent content: Organic solvents: 10%, Water 73%
Solid content: 0.4%

10. STABILITY AND REACTIVITY

- Thermal decomposition / Conditions to be avoided: No decomposition if used according to specification.
- Dangerous reaction: No dangerous reactions known.
- Dangerous products of decomposition: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

- Acute toxicity:
 - Primary irritant effect
 - On the skin: No irritant effect
 - On the eye: No irritant effect
 - Sensitization: No sensitising effect known
 - Additional toxicological information: The product is not subject to classification according to internally approved calculation methods for preparations;
- When used and handled according to specifications, the product does not have any harmful effects according our experience and information provided to us.

12. ECOLOGICAL INFORMATION

- General notes:
- Water hazard class 1 (self-assessment): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

- Product:
- Recommendation: Smaller quantities can be disposed of with household waste.
- Unlearned packaging:
- Recommendation: disposal must be made according to official regulations.
- Recommended cleansing agent: water, if necessary with cleansing agents.

14. TRANSPORT INFORMATION

- Dot Regulation
Hazard class: ---
- Land transport ADR/RID (cross – border)
ADR/RID class: --
- Maritime transport IMDG:
IMDG class: --
- Air transport ICAO-IT and IATA-DGR:
ICAO/IATA class: --
- Packaging group: Not applicable

15. REGULATORY INFORMATION

- Sara
- Section 355 (extremely hazardous substances): None of the ingredient is listed
- Section 313 (Specific toxic chemical listings): Glycol
- TSCA (Toxic substances control act): Water, distilled, conductivity or of similar purity, Diethylenglycol, Glycol
- Proposition 65

Chemical known to cause cancer: None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females: None of the ingredients if listed

Chemicals known to cause reproductive toxicity for males: None of the ingredients if listed

Chemicals known to cause development toxicity: None of the ingredients if listed

- Cancerogenity categories

EPA (Environmental Protection Agency): None of the ingredients if listed

IARC (International Agency for research on Cancer): None of the ingredients if listed

NTP (National Toxicology program): None of the ingredients if listed

TLV (Threshold Limit Value established by ACGIH): Glycol

MAK (German Maximum Workplace Concentration): None of the ingredients if listed

OSHA-ca (Occupational Safety & Health Administration): None of the ingredients if listed

- Product related hazard information:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.