

Machine & Glue Pot Cleaner Data Sheet 2008

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

- Product Name: MAIN HMGS - Machine & Glue Pot Cleaner
- Supplier: Cadre Components Ltd
Unit B, Raspberry Court
Marlborough Way
Haydock, St Helens
Merseyside
WA11 9FT

2. COMPOSITION / INFORMATION ON INGREDIENTS

- | | | | | | |
|-------------------------|-------------------------------------|-----------|--------------|--------------------|------------|
| - DESCRIPTION | Colourless Liquid with citrus odour | | | | |
| - Hazardous Ingredients | CAS No. | EINECS | Supply Class | RISK (R No) | CONTENTS % |
| - Orange Terpenes | 8028-48-6 | 232-433-8 | Xn | R10,R38,R52/53,R65 | 60-100% |

3. HAZARDS IDENTIFICATION

- Important Hazards May cause lung damage if swallowed. Flammable.
- Health/Physical May form explosives mixtures in air. May cause irritation to eyes and skin. There is some evidence of carcinogenic and reproductive effects in laboratory tests on animals, but no human effects have been reported
- Environmental Harmful to aquatic organisms may cause long term adverse effects in the aquatic environment

4. FIRST AID MEASURES

- Eye Contact Immediately irrigate with copious amounts of water for at least 15 minutes keeping eyelids open. Seek medical attention.
- Skin Contact Remove contaminated clothing. Immediately wash affected skin with plenty of soap and water (Note: ideally cold water should be used to reduce absorption). Seek medical attention if discomfort persists. Wash contaminated clothing thoroughly before re-use
- Inhalation Remove patient to fresh air, allow to rest and keep warm. If specific symptoms are evident seek medical attention..
- Ingestion Do not induce vomiting, rinse out mouth with water, but do not give anything to drink. Seek medical attention.
- Personal Precautions Ensure that those giving first aid treatment do not get contaminated by product spills. Wear suitable protective clothing, including gloves and safety goggles. See also section 8.

5. FIRE-FIGHTING MEASURES

- Extinguishing Media: Carbon dioxide, dry powder, alcohol resistant foam. Fight larger fires with alcohol-resistant foam. Use water spray only to cool containers in the event of fire.
Do not use water spray as burning product will float and spread.
- Protection Equipment Fire fighters should wear self contained breathing apparatus and protective clothing.
- Unusual Fire and Explosion hazards Can form explosive mixtures in air particularly in confined spaces e.g. drains, empty uncleaned receptacles. Avoid sources of heat or ignition and also oxidising materials.

6. ACCIDENTAL RELEASE MEASURES

- Personal Protection Wear suitable protective clothing including, gloves and safety goggles. See section 8 for details. Avoid sources of heat or ignition. Keep unprotected persons away, preferably upwind
- Environmental Precautions Prevent substance entering drains, watercourses and sewers. In event of contamination of watercourses or sewers, advise police, fire brigade and Local Water Authority.
- Recovery On Soil Absorb onto inert material e.g. sand or earth. Do not use sawdust. Collect into suitable containers, using non sparking tools. Ensure containers are sealed and they are correctly labelled, for specialist disposal or recovery. Keep well ventilated.
- On Water Physically recover as much as possible and treat as above.

7. HANDLING AND STORAGE

- Handling Keep away from sources of heat or ignition -NO SMOKING. Avoid contact with skin, eyes and clothing. Ensure all equipment is earthed before use. Do not ingest or breathe vapour. Wash hands after use.
- Storage: Keep in original containers, tightly sealed and away from heat. Store away from heat and sources of ignition in accordance with HS(G)71 "Storage of Packed Dangerous Substances", HS(G)50 "Storage of Flammable, Liquids in Fixed Tanks" and HS(G)51 storage of Flammable Liquids in containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Ventilation Ensure work area is well ventilated/exhausted. Provide an eye wash station.
- Control Parameters None Set OES (EH40UK/2002)
- Monitoring Procedures None Required
- Personal Protection Always check applicability with your supplier of protective equipment.
- Body / Skin protection suitable protective clothing and plastic or rubber boots. Instantly remove any soiled and impregnated garments
- Respiratory Protection In case of insufficient ventilation, wear suitable respiratory device such as EN141 or EN405, Type A
- Hand Protection Use protective gloves (Nitrile)
- Eye Protection Tightly sealed chemical safety goggles. Provide eye wash station

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State Liquid
- Appearance Colourless Liquid
- Odour/Taste characteristic citrus odour
- Boiling Point/Range 176 °C
- Melting point/melting range: -96 °C
- Flash point: 46 °C (closed cup method)
- Molecular Weight 136
- Refractive index 1.473
- Auto ignition Temperature 237 °C
- Explosive properties: Upper Limit 6.1% - Lower Limit 0.7%
- Density 0.838g/cm³ @ 20 °C
- Vapour Density (air=1): 0.01
- Solubility Not miscible in water. Completely miscible in alcohol
- Oxidising properties: None
- Vapour pressure 2.1mmHg @ 20 °C

10. STABILITY AND REACTIVITY

- Stable
- Conditions to avoid Heat and sources of ignition
- Incompatibility (Materials to avoid Oxidising agents and acids
- Hazardous decomposition products In fire emits oxides of carbon and acrid smoke

11. TOXICOLOGICAL INFORMATION

- Information refers to product test date Oral LD50 rat (mg/kg)>5000
- Exposure Hazard
- Inhalation May cause irritation to mucous membranes
- Skin Contact with skin can cause irritation. Not expected to be skin sensitizer due to presence of stabiliser preventing oxidation of the terpene. Only the oxidised material is a proven sensitizer (see below)
- Eyes May cause transient irritation
- Ingestion Symptoms may include sore throat, upper respiratory irritation, nausea and vomiting. May cause lung damage if aspirated during vomiting
- Other Data There is some evidence of carcinogenic and reproductive effects in laboratory tests on animals, but no human effects have been reported
- NB This product is complex substance that contains d-limonene. If unprotected d-limonene can oxidise to form an oxidation product which has been shown to be a skin sensitizer. However the product contains an anti-oxidant as a stabiliser. BHA (butylated hydroxyl anisole CAS 25013-16-5, EC 246-563-8) or BHT (butylated hydroxyl toluene CAS128-37-0, EC 204-881-4). The product will not be a skin sensitizer if it is not allowed to oxidise. It must therefore be handled and stored with care in order to avoid this.

12. ECOLOGICAL INFORMATION

- Environmental Effects Not thought to be readily biodegradable. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment Aquatic Toxicity EC50, Daphnia magna, 48hr 12.3mg/l


13. DISPOSAL CONSIDERATIONS

- Disposal Dispose of as special waste via a licensed contractor. Ensure that all national and local authority requirements are complied with
- Disposal Of Packaging Contaminated packaging should be disposed of as special waste, as above, according to local authority guidelines. Washed and decontaminated packing may be disposed of as controlled waste. Washings should be disposed of as Special Waste, as above, according to local authority guidelines.

14. TRANSPORT INFORMATION

- UN Number: 2319
- Proper Shipping Name Terpene Hydrocarbons, N.O.S. (Contains Orange Terpenes)
- **Land Transport** ADR
- Transport hazard label Flammable
- RID/ADR classification Class 3
- Packaging group III
- **Maritime Transport** IMDG
- Transport hazard label Flammable
- IMO/IMDG classification Class 3
- Packaging Group III
- EMS No 3-07
- Marine Pollution No
- **Air Transport** ICAO/IATA
- Transport Hazard Label Flammable
- ICAO/IATA classification Class 3
- Packaging Group III
- Other Information Hazard identification No 30
EAC 3

15. REGULATORY INFORMATION

- EU Labelling Information
- Symbol  Xn Harmful
- Risk Phrases R10 : Flammable
R38 Irritating to the skin.
R65 Harmful: may cause lung damage if swallowed
R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment
- Safety Phrases S28 After contact with skin, wash immediately with plenty of water and detergent.
S37/39 Wear suitable gloves and eye/face protection.
S60 This material and its container must be disposed of as hazardous waste.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label

16. OTHER INFORMATION

The information contained in this data sheet is provided in accordance with the requirements of the Chemicals (Hazards Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health & Safety at Work etc. Act and Control of Substances Hazardous to Health Regulations apply to the use of this product at work. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

GENERAL: ONLY TRAINED PERSONNEL SHOULD USE THIS MATERIAL

QUALITY ASSURANCE: MAIN CHEMICAL CO. LIMITED, CONFORMS TO BS EN ISO 9001 : 2000 Cert. No. GB 2487
ENVIRONMENTAL STANDARD: MAIN CHEMICAL CO. LIMITED, CONFORMS TO BS EN ISO 14001 : 1996 Cert. No. GB 12032

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This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be constructed as guaranteeing specific properties. For further information contact the office.