MATERIAL SAFETY DATA SHEET: CENGAR GREEN OIL Product Code: 400191

4 pages in total **Last Revision Date: 14/02/06**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

NAME OF SUPPLIER & IDENTIFICATION OF SUBSTANCES / PREPARATION:

CENGAR UNIVERSAL TOOL COMPANY LTD.
ADDRESS: 70 Lister Lane
Halifax
England
HX1 5DN

TEL. NO: 01422 – 354626 FAX :01422 349024 e-mail: enquiries@cengar.com

PRODUCT NAME:	CENGAR GREEN OIL
PRODUCT TYPE:	Mineral oil with additives
APPLICATION:	Air tool lubricant
SHELF LIFE:	Approx. 2 years

2. COMPOSITION/INFORMATION ON COMPONENTS

Ingredient	% conc.	Classification	CAS	EINECS
Highly refined mineral oil	>99%	not classified	64742-52-5	265-155-0
Non-ionic surfactant	<0.5%	Xi; N; R36/38, R53	68131-39-5	
Proprietary preparation	<1.5%	Xi, R38		

3. HAZARD IDENTIFICATION

This product is not classified as dangerous according to the Dangerous Substances Directive 67/548/EEC

Classification / Symbol: -None. **Risk Phrases**: -None.

Prolonged or extensive skin contact with the product may result in skin dryness and cracking. The risk of skin disorders may be increased if the product has become contaminated.

May cause lung damage if swallowed

4. FIRST AID MEASURES

Exposure route	Symptoms	Treatment
Inhalation	**Irritation of throat, coughing**	**Remove to fresh air.**
Skin Contact	**None**	**Wash with soap and Water**
Eye Contact	**Irritation, pain, redness**	**Wash with copious Amounts of water**
Ingestion	**Nausea**	**DO NOT INDUCE VOMITING Wash out mouth with Water and seek medical advice**

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA
Dry Powder, Water Fog, CO2 and Foam DO NOT USE WATER.

SPECIAL EXPOSURE HAZARDS
The substances arising from the thermal decomposition of this product will depend largely upon the conditions bringing about decomposition. Any of the following may be expected.

Carbon Dioxide	Polycyclic Aromatic Hydrocarbons
Carbon Monoxide	Unburnt Hydrocarbons
Water	Unidentified Organic and Inorganic Compounds
Particulate Matter	Hydrogen Sulphide

SPECIAL PROTECTIVE EQUIPMENT
For large fires consider fire tunics (EN469), wet leg trousers (EN469), Wellington boots (EN345 Part ll 1996), helmet (EN443), flashhood (EN531), gloves (EN323), self-contained breathing apparatus (EN137), self-contained breathing apparatus with airline attachment (EN139) .

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Not classified as flammable but will support combustion. Remove sources of ignition. Protective equipment may include PVC, Neoprene or nitrile rubber gloves; rubber knee-length safety boots and PVC jacket and trousers. Avoid contact with eyes and skin.

ENVIRONMENTAL PRECAUTIONS
If the product has contaminated any land it may require excavation of contaminated soil. If the product has entered a water course or stream use absorbent booms to prevent further contamination.

CLEANUP PROCEDURE
Large spills should be bunded with sand or earth. The liquid should be reclaimed directly or in an absorbent medium and then transferred to clearly marked containers and disposed of in accordance with local by-laws and the requirements of the Environmental Protection Act.
Small spills should be absorbed in a suitable material and disposed of as for large spills.

7. HANDLING AND STORAGE

HANDLING
Impervious gloves and overalls where regular contact is likely, and goggles if there is a risk of splashing.
Recommended Procedures – avoid prolonged contact with skin

STORAGE
Keep at temperatures not exceeding 30 -40°C. Protect from extremes of temperature, and protect from ingress of contaminants by keeping the contained closed or by maintaining a product seal around the cap

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

u.k. occupational exposure standards 2002
5 mg/M^3 8 hour TWA value
10 mg/M^3 15 min TWA value
Reference should be made to the HSE's publication Methods for the Determination of Hazardous Substances (MDHS) 84 – Measurement of Oil Mists from mineral based metalworking fluids.

Respiratory protection (eg breathing apparatus or fume extraction) may be required when handling heated material. Half masks (EN149) or valved half masks (EN405) in combination with type A2 (EN141) and P2/3 (EN143) prefilters may be considered when the liquid is at ambient temperatures, when at elevated temperatures then consider half masks (EN149) or valved half masks (EN405) in combination with type AX (EN371) and P2/3 (EN143) prefilters.

Where repeated hand contact is likely wear suitable impervious gloves and wash with soap and water. Suitable gloves are Nitrile.
Any contaminated clothing should be removed and laundered before reuse.

Where there is a risk of splashing, suitable goggles should be worn conforming to BS EN 166 345B

Environmental controls

Users should be aware of environmental considerations and their duties under the Environmental Protection Act. Further advice may be found on various government websites eg www.dti.gov.uk/access/index.htm and www.envirowise.gov.uk

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale green liquid
Odour:	Perceptible
Acidity/Alkalinity	not applicable
Initial boiling point	>200°C
Pour Point	-33°C
Flash Point	153°C
Vapour pressure @20°C	<0.1 k Pa
Relative density @ 15°C	0.898
Solubility in water	insoluble
Viscosity @ 40°C	22.4cSt

PLEASE NOTE THAT THESE PROPERTIES DO NOT CONSTITUTE A SPECIFICATION

10. STABILITY AND REACTIVITY

Stability:	Stable, in normal use.
Conditions to Avoid:	Extreme Temperatures
Materials to Avoid:	Strong oxidising agents.
Hazardous Decomposition Products:	See section 5- Special exposure hazards.

11. TOXICOLOGICAL INFORMATION

OCULAR

Not expected to be irritant, may cause some discomfort.

DERMAL

Not expected to be irritant.

INHALATION

Inhalation of mists or vapours under normal conditions is not likely to present any hazard, however at elevated temperatures inhalation of mists or vapours may cause respiratory irritation.

INGESTION

Not expected to be toxic. DO NOT INDUCE VOMITING.

12. ECOLOGICAL INFORMATION

AIR

The product is a mixture of non-volaitile components which are not expected to be released to air in any significant quantities.

WATER

The product will form a floating layer on the surface and its components will not evaporate or dissolve to any great extent. Dissolved components will be absorbed in sediments. In aerobic waters and sediments they will biodegrade slowly, but in anaerobic conditions they will persist. The product is practically non-toxic to aquatic organisms but contains components which have a high potential to bio-accumulate.

SOIL

Small volumes released on land will be absorbed in the upper soil layers and be biodegraded slowly. Larger volumes may penetrate into anaerobic soil layers in which the product will persist and may reach the water table on which it will form a floating layer. The more soluble components may dissolve but their high soil absorption coefficient and low solubility will prevent significant contamination of ground water.

13. DISPOSAL CONSIDERATIONS

Substance

via authorised waste disposal contractor to an approved waste disposal facility observing all local and national regulations

Container

As substance

14. TRANSPORT INFORMATION

Classification for Transport: NOT CLASSIFIED AS HAZARDOUS FOR TRANSPORT

UN Number:	N/A	**Packaging Group:**	N/A
Shipping Name:	N/A	**Emergency Action Code**	N/A
Primary Hazard:	N/A	**Marine Pollutant:**	No
Subsid. Hazard:	N/A	**ICAO/IATA:**	N/A

15. REGULATORY INFORMATION

Hazard Label Data:	This product is NOT classified as dangerous for supply.
E C Directives:	Framework Waste Directive, 91/156/EEC Waste Oil Directive 87/101/EEC
Statutory Instruments:	The Health & Safety at Work, etc Act 1974 Consumer Protection Act 1987 Environmental Protection Act 1990 Control of Substances Hazardous to Health Regulations 1988 Chemicals (Hazard Information & Packaging) Regulations 1993

16. OTHER INFORMATION

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us. If you have purchased the product for supply to a third party for use at work it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet. If you are an employer it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions, which should be taken.

APPROVED CODES OF PRACTICE:

Waste Management. The Duty of Care Occupational Skin Diseases:
Health & Safety Precautions (EH26)
Occupational Exposure Limits (EH4O)
The Carcinogenicity of Mineral Oils (EH58)
Skin Cancer caused by Oil (MS[B] 5)
Save your Skin! Occupation Contact Dermatitis (MS[B] 6)
Effects of Mineral Oil on the Skin (SHW397)

The above publications are available from HMSO and HSE sources