

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

NAME AND ADDRESS OF MANUFACTURER/ SUPPLIER

Formula 1 Products

19 Holsworthy Close
Nuneaton
Warwickshire
CV11 6YH

Business Tel No: 02476 371989 Fax: 02476 371989

PRODUCT NAME: H650

PRODUCT TYPE: DRAWING OIL

APPLICATION: Metal Forming Lubricant

2. COMPOSITION/INFORMATION ON INGREDIENTS

General: Blend of highly refined mineral oils with additives.

3. HAZARDS IDENTIFICATION

This product is not classified as hazardous under the current UK Health and Safety and Environmental Legislation when used in the application for which it is intended.

However prolonged or extensive skin contact with the product may result in skin disorders.

The risk of skin disorders may be increased if the product has become contaminated.

Contamination with metal fines will increase the likelihood of skin irritation occurring.

Rapidly rotating machinery such as is used in certain metal removal operations may promote the formation of oil mists.

Please refer to Section 8 of this document.

PRODUCT NAME: H650

4. FIRST AID MEASURES

EYES Irrigate immediately with copious quantities of water. If irritation persists, seek medical attention.
SKIN Wash thoroughly with soap and water.
INHALATION Remove to fresh air. If effects persist, seek medical advice.
INGESTION DO NOT induce vomiting. Wash mouth out with water. Obtain immediate medical attention showing this sheet.
PRESSURE INJECTION
Always obtain immediate medical attention even though the injury may appear minor.

5. FIRE FIGHTING MEASURES

FLAMMABILITY: Product not classified as flammable but is inherently combustible.
FLASH POINT (°C pmcc): >150°C
EXTINGUISHING MEDIA: Use foam, dry powder, CO₂. Use water fog to cool fire exposed surfaces.
PRODUCTS OF COMBUSTION: Mainly oxides of carbon with water vapour, unidentified organic compounds, hydrogen sulphide, sulphur dioxide and evolution of hydrogen chloride.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Spilt product presents a significant slip hazard. Avoid exposure of the product to sources of ignition.
ENVIRONMENTAL PRECAUTIONS
Prevent entry into drains, sewers and water courses.
DECONTAMINATION PROCEDURES
Soak up with inert absorbent or contain and remove by pumping or best available means. In case of spillage on water contain by a boom and collect by skimming or absorption.

7. HANDLING AND STORAGE

Keep containers tightly closed.
Store drums under cover in racking protected from mechanical impact. If stored out-side ingress of water should be avoided. e.g. by placing containers on their side.
A bunded storage area may be required
Compatible with most common metals.
May soften certain rubbers.
If the product is to be heated avoid direct high temperature heat sources.
Provide suitable mechanical equipment for the safe handling of drums and heavy packages.

Storage Temperature: Ambient

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Limits:	Substance	8-Hour TWA	STEL	Source/Other Information
	Mineral Oil (see oil mist, mineral)	5mg/m ³	10mg/m ³	EH40

Engineering Control Measures:
Local exhaust ventilation is recommended when excessive product misting occurs.

Personal Protection:
Avoid skin and eye contact. Wear impervious gloves (e.g. of PVC), in case of repeated or prolonged contact. Change contaminated clothing and thoroughly clean before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown liquid
Odour:	Slightly sulphurous
Boiling Point/Range (°C):	Not applicable
Pour Point/ Melting Point (°C):	< -5
Flash Point (Open, °C):	>150
Auto-flammability (°C):	>150
Relative Density (at 20°C):	<1
Water Solubility:	Negligible
Fat Solubility:	Partial
Kinematic Viscosity @ 40°C	approx 200 cSt

PLEASE NOTE THAT THESE PROPERTIES DO NOT CONSTITUTE A SPECIFICATION

10. STABILITY AND REACTIVITY

Stability:	Stable, will not polymerise.
Conditions to Avoid:	Temperatures (°C) above: 150
Materials to Avoid:	Strong oxidising agents
Hazardous Decomposition Products:	Irritant fumes. <u>Do not</u> breathe products of decomposition.

11. TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components.

HEALTH EFFECTS

On Eyes:	May cause transient irritation.
On Skin:	Unlikely to cause harm on brief or occasional contact.
By Inhalation:	Low volatility makes inhalation unlikely at ambient temperatures.
By Ingestion:	May cause nausea, vomiting and diarrhoea.
Chronic:	Repeated and prolonged skin contact may lead to skin disorders.
Other:	Products which have become contaminated in use or from external sources may present more serious health effects.

12. ECOLOGICAL INFORMATION

Biodegradability: <50% (CEC L-33-T-82) **Chemical Oxygen Demand (mgO₂/l):** Not determined

Mineral oils are inherently but not readily biodegradable.

Leaching and penetration of mineral oils through surface soils is generally regarded as resulting in long term persistence.

Fresh or used mineral oils may be harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

Place used and contaminated materials/packaging in suitable containers. Dispose of the controlled waste in accordance with Duty of Care regulations (Environmental Protection Act 1990 - Section 34(7)) using a licensed waste disposal company.

PRODUCT NAME: H650

14. TRANSPORT INFORMATION

Classification for Transport:	Not classified as dangerous for transport on UK Mainland		
UN Number	N/A	Packaging Group:	N/A
Shipping Name:	N/A	Marine Pollutant:	No
IMO Class:	N/A		
ADR/RID:	N/A	ICAO/IATA	N/A

15. REGULATORY INFORMATION

Hazard Label Data:	This product is <u>not</u> classified as dangerous for supply in the UK.
EC Directives:	Framework Waste Directive, 91/156/EEC Waste Oil Directive, 87/101/EEC
Statutory Instruments:	The Health and 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 and 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.
Guidance Notes:	Occupational skin diseases: health and safety precautions (EH 26) Occupational exposure limits (EH 40) The carcinogenicity of mineral oils (EH 58) Skin cancer caused by oil [MS(B)5] Save your skin! - Occupational Contact Dermatitis [MS(B)6] Dermatitis - cautionary notice [SHW 367] Effects of mineral oil on the skin [SHW 397] Metalworking Fluids - Health Precautions [EH 62] Code of Practice for Metalworking Fluids [Institute of Petroleum] The above publications are available from HMSO and HSE Sources.