



## MATERIAL SAFETY DATA SHEET

### HEALTH, SAFETY AND ENVIRONMENTAL DATA

<b>Material</b>	Marine Greases
<b>Reference</b>	The various greases supplied by Tramp Oil & Marine Limited, obtained from various suppliers, are all approved for use as marine greases and have no known misuses.
<b>Composition</b>	Greases are manufactured from soap and highly refined mineral base oil derived from crude petroleum, and may contain additives, none of which give rise to any additional hazard in the finished product to that posed by the base constituents. Should an original manufacturer's data sheet be required, please advise.
<b>Physical and Chemical Properties</b>	<p>Physical state:                      Semi-solid at Ambient Temperatures</p> <p>Appearance:                        Brown to Black</p> <p>Odour:                                 Characteristic Mineral Oil</p> <p>Vapour density (Air = 1):        Greater than 5</p> <p>Vapour Pressure at 20°C:        Less than 0.1 kPas</p> <p>Sol. In Water:                        Very low</p> <p>Acidity/Alkalinity:                Neutral</p>
<b>Fire and Explosive Hazards</b>	<p>Autoignition Temperature in °C greater than 320</p> <p>Extinguishents</p> <p>Large Fire: Foam/Water Fog - NEVER USE WATER JET</p> <p>Small Fire: Foam/Dry Powder/CO<sub>2</sub>/Halon/Sand/Earth</p>
<b>Supply and Transport Classification</b>	Safe for supply and transport
<b>Storage Precautions</b>	Do not weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently.
<b>Acute Health Hazards and Advice</b>	<p>Toxicity following single exposure to high levels (orally, dermally or by inhalation) is of a low order. The main hazard is of high pressure injection injuries when the product is handled under high pressure such as grease guns.</p> <p><b>Inhalation</b></p> <p>Under normal conditions of use inhalation of vapours is not feasible or likely to present an acute hazard.</p> <p><b>Skin</b></p> <p>Skin contact presents no acute health hazard except in the case of high pressure injection injuries. These can lead to loss of the affected limbs if not treated immediately and properly.</p>

<p><b>Acute Health Hazards and Advice</b> <i>continued</i></p>	<p><b><i>Skin continued</i></b></p> <p>Precautions: Avoid contact with the skin by use of suitable protective clothing. Where skin contact is unavoidable, a high standard of personal hygiene must be practiced. Extreme care must be exercised where the product is likely to be encountered at high pressures. Where high pressures are likely to be encountered, it is recommended that safe systems of work be employed.</p> <p>First Aid: Skin contact does not generally need first aid, but contaminated clothing should be removed, and contaminated skin washed with soap and water. If persistent irritation occurs, medical advice should be sought without delay.</p> <p>Where a high pressure injection injury has occurred, medical attention should be obtained immediately.</p> <p><b><i>Eyes</i></b></p> <p>Eye contact may cause some discomfort.</p> <p>Precautions: Care should be taken to avoid contact with the eyes. Where the product is used/applied under pressure, suitable eye protection should be used.</p> <p>First Aid: Flush the eye with copious amounts of water. If irritation persists refer for medical attention.</p> <p><b><i>Ingestion</i></b></p> <p>Ingestion of the product is not regarded as likely, except possible with eating food without first washing hands.</p> <p>Precautions: Normal handling and hygiene precautions should be taken to avoid ingestion.</p> <p>First Aid: DO NOT INDUCE VOMITING. If ingestion is suspected, wash out the mouth with water. No emergency measures are needed, but if adverse health effects follow, refer for medical attention.</p>
<p><b>Chronic Health Hazard and Advice</b></p>	<p>Prolonged and repeated contact with oil products can be detrimental to health. Skin contact under conditions of poor hygiene and over prolonged periods can lead to defatting of the skin, dermatitis, erythema, oil acne and oil folliculitis.</p>
<p><b>Exposure Limit Values</b></p>	<p>None</p>
<p><b>Recommended Protective Clothing</b></p>	<p>Impervious gloves and overalls where regular contact is likely, and goggles where product may be encountered under pressure.</p>

<b>Combustion Products</b>	<p>The substances arising from thermal decomposition of these products will largely depend upon the conditions bringing about decomposition. The following substances may be expected:</p> <p>Carbon Dioxide, Carbon Monoxide, Water, Particulate Matter, Polycyclic Aromatic Hydrocarbons, Unburnt Hydrocarbons, Unidentified Organic and Inorganic Compounds.</p>
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