

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Pureplex
Manufacturer's Product Code	590J
Other Names	Clear, food grade, aluminium-complex grease with antimicrobial agent
Major Recommended Uses	As a water resistant lubricant for food processing equipment
Supplier's Details	Mantek 7 Ralph Street, Alexandria Sydney NSW 2015 Telephone Number (Office Hours): (02) 9669 0261 Fax Number: (02) 9693 1562 Emergency Telephone Number: (02) 9214 0755
Date of Issue	February 2010

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification	Not classified as hazardous according to the criteria of NOHSC
Dangerous Goods Class & Sub-risk	None allocated
Poisons Schedule	N/A
Risk & Safety Phrases	N/A

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients		
Chemical Entity	CAS No	Proportion
Ingredients determined not to be hazardous		100%

SECTION 4 – FIRST AID MEASURES

Skin	Wash affected areas with soap and running water. Seek medical attention if irritation develops. Wipe away material with a cloth while removing contaminated clothing and shoes for cleaning
Eye	Immediately rinse eyes with water. Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15-minutes. Get medical attention if irritation develops
Inhalation	Not normally a hazard. Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult
Ingestion	If swallowed do not induce vomiting. Give water. If vomiting occurs, give fluids again. Seek medical attention if discomfort occurs
First Aid Facilities	General eye wash station and safety shower
Advice to Doctor	There is no specific antidote. Treat the patient symptomatically
Additional Information	Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema and dermatitis. Target Organs: None known. The primary routes of exposure are skin and eye contact. There is no primary route of entry into the body

SECTION 5 – FIRE FIGHTING MEASURES SECTION 5 – FIRE FIGHTING MEASURES

Pureplex is not classified as flammable	
Suitable Extinguishing Media	In the event of a fire, foam, water spray, dry chemical and CO2 are the recommended extinguishing agents
Special Protective Equipment and Precautions for Fire Fighters	Fire fighters should wear self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting
Fire/Explosive Hazards	Use care as spills may be slippery. Liquid floats on water. Do not use water jets as this can spread a fire
Hazchem Code	None allocated

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Methods and Materials for Containment and Clean Up	Wear appropriate protective clothing and use care as spills may be slippery. Due to nature of product, large spills are unlikely. Scoop into a properly labelled container for disposal if required, or wipe with a cloth and transfer all materials into a properly labelled container for disposal for smaller spillage. Dispose of waste in a closed, labelled container in accordance with local laws. Prevent entry into waterways. Avoid contact with eyes and skin. Flush area with water
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SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling	Observe precautions stated on product label, and follow industry safety regulations. Smoking, eating and drinking should be prohibited in work areas where hydrocarbons are present. Always wash hands before eating after contact with product. Keep away from open flames, hot surfaces and sources of ignition
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area away from heat sources. Store in the closed original container. Store at temperatures between 2°C and 49°C. Store cartridges upright

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards	Not established for mixture. The NOHSC recommend TWA 5mg/m ³ for oil mist
Engineering Controls	General ventilation is normally adequate. Local ventilation is strongly recommended if operations generate excessive mists and vapour exposure exceeds Exposure Standards
Personal Protective Equipment	Eye/Face Protection: Avoid contact with eyes - safety glasses with side shields should be worn if eye contact is likely
Skin Protection	Neoprene or nitrile rubber gloves should be worn along with protective clothing when handling this product – particularly if repeated or prolonged skin contact is likely. Wear general-duty work clothes and shoes
Respiratory Protection	None is required under normal conditions of use. In cases where exposure to mists or spray is likely, or in the absence of adequate ventilation, a respirator with organic vapour filter cartridge or combined particle and organic vapour filter (Type A2/P2) is recommended

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless, transparent, semi-solid grease with mild petroleum odour
pH	Not applicable
Vapour Pressure	<0.01 mm Hg
Vapour Density (Air = 1)	>1
Boiling Point	>427°C
Solubility in Water (g/L)	Negligible
Specific Gravity (Water = 1)	0.8
Flashpoint	251°C
Flashpoint Method	C.O.C.
Flammability Limits	N/E
Evaporation rate (BU A/C = 1)	<1
Volatility by volume	0%

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable
Hazardous Polymerisation	Will not occur.
Conditions/Materials to Avoid	Avoid strong oxidising agents such as chlorine bleach and concentrated hydrogen peroxide. Avoid heat, hot surfaces, sparks and open flames
Hazardous Decomposition Products	Oxides of aluminium and carbon
Conditions to Avoid	None known

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SECTION 11 – TOXICOLOGICAL INFORMATION

Swallowed	May cause irritation with possible nausea, vomiting and diarrhoea
Eye	May cause irritation seen as tearing, stinging and redness
Skin	May cause irritation seen as itching and redness
Inhaled	Not a hazard with normal use. Mist may cause respiratory irritation seen as coughing and sneezing
Chronic	On rare occasions prolonged and repeated exposure to hydrocarbon mist poses a risk of chronic lung inflammation. Prolonged or repeated skin contact may cause drying, defatting and cracking of the skin
Target Organs	None known. The primary routes of exposure are skin and eye contact. There is no primary route of entry into the body

Product Contains Chemicals Listed as Carcinogens by	
International Agency for the Research of Cancer (IARC)	NO
Other	NO

SECTION 12 – ECOLOGICAL INFORMATION

No specific toxicology data on this product is available. When used as indicated, no adverse environmental effects are foreseen. Product is non-volatile and insoluble in water.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in a closed, labelled container in accordance with local, state and Commonwealth laws

SECTION 14 – TRANSPORT INFORMATION

UN Number	None allocated
UN Proper Shipping Name	
Transport Hazard Class	None allocated
Packaging Group	None allocated
Hazchem Code	None allocated

SECTION 15 - REGULATORY INFORMATION

Poisons Schedule:	N/A
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SECTION 16 - OTHER INFORMATION

Initial MSDS.
 Since the user's working conditions are not known by the supplier, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified in Section 1 without first obtaining written handling instructions. NCH AUSTRALIA PTY LTD assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such non-recommended use, storage or disposal of the product.
 It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

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