

## MATERIAL SAFETY DATA SHEET

## SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	TLR-44 PLUS
Manufacturer's Product Code	5496
Other Names	Telomer Lubricant
UN Number	1950
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

## SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification	Classified as hazardous according to the criteria of NOHSC.
Dangerous Goods Class & Sub-risk	Class 2, No Sub-Risk.
Hazchem Code:	2Y
Poisons Schedule:	None Allocated
Packaging Group:	None Allocated
Size	311g
Container Type:	Tin-Plated Metal Can
Major Recommended Uses:	As a Teflon-Based Dry Film Lubricant
Recommended Methods of Application:	Directly from Can

## SECTION 3 – PHYSICAL DESCRIPTION/PROPERTIES

Appearance:	A hazy, white, non-viscous liquid with an alcohol odour
Boiling Point:	82°C
Melting Point:	Not Applicable
Vapour Pressure:	1312mm Hg
Vapour Density:	1.9 (Air = 1)
Specific Gravity:	0.69
Flashpoint:	27°C
Flashpoint Method:	T.C.C
Flammability Limits (%):	LEL – 1.8; UEL - 12.7
Solubility in Water (g/L):	Negligible
pH(100%):	4-6
Evaporation Rate:	51 (Butylacetate = 1)

## SECTION 4 – INGREDIENTS

Ingredients			
Chemical Entity:	CAS No	Proportion	Synonyms
Propan-2-ol	67-63-0	>60%	Isopropanol
'Ingredients determined not to be hazardous'		to 100%	

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### SECTION 5 – HEALTH EFFECTS

Acute - Swallowed:	Large quantities may cause drowsiness, loss of consciousness, cramps, pain, nausea, vomiting, diarrhoea and abdominal pain.
Acute - Eye:	Cause irritation, tearing, blurring of vision and possible corneal damage.
Acute - Skin:	May cause irritation seen as itching and redness.
Acute - Inhaled:	May cause irritation to the nose, throat, respiratory tract seen as coughing and sneezing. At high vapour concentration, inhalation may cause central nervous system effects such as headache, dizziness, drowsiness, weakness and unconsciousness.
Chronic:	None.

### SECTION 6 – FIRST AID

Swallowed:	If swallowed, give 3-4 glasses of water. Do not induce vomiting. If vomiting occurs, give fluids again. Seek medical attention if discomfort occurs.
Eye:	If in eyes, flush immediately with copious amounts of water. Seek medical attention if irritation develops or persists.
Skin:	Wash affected area with plenty of soap and water. Seek medical attention if irritation develops or persists.
Inhaled:	Remove victim to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
First Aid Facilities:	Eyewash station and general washroom/shower facilities.
Advice to Doctor:	There is no specific antidote. Treat the patient symptomatically. Activate charcoal slurry may be beneficial. To prepare, suspend 50g of activated charcoal in 400ml of water and mix thoroughly. Administer 5mL/kg, or 350ml for an average adult. Depending on the amount of product ingested and retained, gastric lavage should be considered.

### SECTION 7 – PRECAUTIONS FOR USE

Exposure Standards:	Not established for mixture. Those for individual ingredients.
FOLLOW:	Isopropanol . . TWA. . .400ppm (983mg/m <sup>3</sup> ); STEL...500ppm (1230mg/m <sup>3</sup> )
Engineering Controls:	General exhaust is adequate, although local ventilation is recommended to control exposure from operations that can generate excessive levels of mists or vapours.
Personal Protection:	Neoprene or nitrile rubber gloves if repeated or prolonged skin contact is likely, and safety goggles if likelihood of eye contact. Under normal conditions or use, a respirator is not required, however if product is used in confined or poorly ventilated areas, wear an approved respirator.
Flammability:	Flammable liquid and propellant. Keep away from ignition sources, sparks or naked flames. Don not spray on hot surfaces.

### SECTION 8 – SAFE HANDLING AND STORAGE

Storage and Transport:	Store indoors in a cool, dry place, out of direct sunlight. Store below 49°C. Use with caution around heat, sparks, pilot lights static electricity and open flame.
Spills and Disposal:	Due to nature of the aerosol packaging, a large spill is unlikely. For a small spill, eliminate ignition sources of electrical, static or frictional sparks. Wear appropriate protective clothing, ventilate the area, absorb with an inert material and transfer all material into a properly labelled container for disposal. Dispose of in accordance with local, stat and federal laws. Use care as spills may be slippery.
Fire/Explosion Hazard	May form oxides of carbon; carbonyl fluoride and hydrogen fluoride upon thermal decomposition. Inhalation or fluorine compounds released as decomposition products may cause lung irritation and pulmonary edema. Inhalation of fumes or smoke from overheated or burning product may cause polymer fume fever, a temporary flu like illness accompanied by fever, chills and coughing.

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### SECTION 9 - REGULATORY INFORMATION



(aerosol propellant)



IRRITANT

(evaporating solvent)

Risk Phrases:	Flammable Irritating to eyes Vapours may cause drowsiness and dizziness.
Safety Phrases:	Keep out of reach of children. Keep away from source of ignition Avoid contact with the eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### SECTION 10 - OTHER INFORMATION

KEEP OUT OF REACH OF CHILDREN. READ ENTIRE LABEL BEFORE USING.

INCOMPATIBLE WITH NITRIC AND SULPHURIC ACIDS, BASES, STRONG OXIDISERS, HALOGEN COMPOUNDS, ALDEHYDES, ALKANOLAMINES, AMINES, AMMONIA, CHLORINATED COMPOUNDS AND ALUMINIUM POWDER.

### SECTION 10 - CONTACT POINT

Title/Position: TECHNICAL SERVICES CHEMIST

Section: TECHNICAL DEPARTMENT

Telephone Number: 02 9669 0208

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