

Sr No.	Item Name & Description	Required Quantity
1.	<p><u>Castor Oil</u> Appearance Pale Yellow, Viscous clear liquid Solubility In Ethyl alcohol Complete soluble without turbidity Color In 5.25" cell, (Y+5R) in Lovibond Tintometer Units 20.0 Y, 3.0 R max Free Fatty Acid (as oleic) % 1.0 max Acid Value mg KOH /g 2.0 max Moisture % 0.25 max Insoluble Impurities % 0.02 max Specific Gravity at 30 deg C 0.954 – 0.960 Refractive Index at 40 deg C 1.4700 – 1.4740 Iodine Value (Wij's method) g I2 / 100 g 82 – 90 Saponification Value mg KOH/ g 177 – 185 Hydroxyl Value 158 - 165 Unsaponifiable matter % 1.0 max Purity > 99%</p>	400 kg
2.	<p><u>Isophorone Diisocyanate (IPDI)</u> Appearance Clear liquid Odor Pungent Bulk density 1058 kg/m³ Specific heat at 20°C 1.68 kJ/kg Temperature of crystallization < - 60°C Boiling point under 1.33 KPa 158°C Vapor pressure: at 50°C 0.9 Pa Self-ignition temperature 430°C, Flash point (closed cup) 155°C Vapor density (air = 1) 7.63, Refractive Index nD 25 1.483 Dynamic viscosity at 20°C 15 mPa.s</p>	200 kg
3.	<p><u>Dibutyltin Dilaurate (DBTDL)</u> State Liquid (warm day). Soft crystals when cold, Freezes at 8.0 C. Specific Gravity (water=1) 1.07 Refractive Index (@ 20 C) 1.4683 Molecular Weight 631.56 Melting Range (°F) 72- 75 Solubility in water (g/L) Immiscible</p>	5 liters
	<p>Flash Point (°F) 439. Vapor Pressure (mmHg) 0.225 @ 160 C</p>	

4.	High Vacuum Grease Brand: Dow Corning Physical Form: Grease Color: Translucent white, Odor: Odorless Specific Gravity @ 25°C: 1.1, Viscosity: 2000000 cSt Flash Point: > 572 °F / > 300 °C (Closed Cup)	20 kg														
5.	Hexanetriol (1,2,6) Purity (hydroxyl titration) 98+% Color colorless to faintly yellow Boiling point 178°C / 5mm Hg Flash point 79°C (175°F) Specific gravity 1.109 Refractive index, n^{20}_D 1.478 Surface tension at 20°C 50 dynes / cm Solubility at 20°C: Water miscible (A 30% by weight aqueous solution is clear without any cloudiness or non-miscible matter.) acetone miscible octane < 0.2% by weight toluene < 0.2% by weight Viscosity at 20°C 2630 centipoises 30°C 1095 centipoises	25 kg														
6	Antioxidant (AO-2246) BKF (Merck or equivalent) (2,2'-Methylene-bis(4-methyl-6-tert-butylphenol)) Specifications <table border="1" data-bbox="102 1069 1029 1397"> <thead> <tr> <th>Item</th> <th>Powder</th> </tr> </thead> <tbody> <tr> <td>C.A.S No.</td> <td>119-47-1</td> </tr> <tr> <td>Appearance</td> <td>Cream white crystalline powder.</td> </tr> <tr> <td>M.P. °C ≥</td> <td>124 – 128</td> </tr> <tr> <td>Loss on drying % ≤</td> <td>0.30</td> </tr> <tr> <td>Ash % ≤</td> <td>0.10</td> </tr> <tr> <td>Residues on 150µm sieve, % ≤</td> <td>0.50</td> </tr> </tbody> </table>	Item	Powder	C.A.S No.	119-47-1	Appearance	Cream white crystalline powder.	M.P. °C ≥	124 – 128	Loss on drying % ≤	0.30	Ash % ≤	0.10	Residues on 150µm sieve, % ≤	0.50	05 kg
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7	Lecithin (Solid) C.A.S No. 8002-43-5 Grade PC > 70 % Acetone insoluble.... Min 70 % Physical form Powder or granules Moisture Max..... 1 % Melting Point 236 °C Make Fisher Scientific or equivalent	05 kg														
8	Dye Oil based	05 kg														