

PORTAGE DEPARTMENT OF PUBLIC WORKS
Respiratory Hazard Assessment and Respirator Selection for “Solvents”

Chemical Name	Contents	%	Exposure Limit (OSHA PEL)	Vapor Pressure	Hazard	Condition Of Use	Duration	Respirator Required or Voluntary
Safety-Kleen Premium Solvent	Distillates (petroleum) hydrotreated light	100	500ppm	0.4 to 1 mmHg at 68deg F	Eyes Skin Inhalation Ingestion	Keep away from heat Local ventilation	<1hr per Week	None
Anvil 2+2	Smithrin Piperonyl Butoxide White Mineral Oil Aromatic Hydrocarbon	2 2 40 - 75 20 - 50	Not Est. By OSHA or ACGIH	Not Established	Skin and Eye Irritant during prolonged exposure Inhalation and Ingestion Irritant	Use in well vented area Gloves and Apron Suggested when Handling	<5-10min. when loading. 2-4hrs when applying.	None
Decal Remover	Hexane Propane/ Isobutane/ N-Butane Stoddard solvent Dimethyl-benzene Ethyl benzene	30-60 15-40 10-30 10-30 3-7	None 1000ppm None 100ppm 100ppm	80-90	Harmful or Fatal if Swallowed Inhalation and Absorption Irritant	Use in well vented area	<1hour Annually	None
3M Fuel System Cleaner Tank Additive	Hydrotreated light Naphthenenic Petroleum Distillants Medium Aliphatic Solvent Naphtha Polyolefin Amine Trymethyl-Benzene Ethyl benzene	60-90 5-10 1-5 0.5-1.5 <=.025	None None None None 100ppm	<1mmHg (@20deg C)	Moderate Skin and Eye Irritation	Use in well vented area	<5min When adding to tank prior to fueling <1hr per week refilling containers	None
United 188 Aerosol Anti-Seize Compound	Acetone Copper Isoparaffinic Hydrocarbon Isoparaffinic Hydrocarbon Liquefied Petroleum Gas	10-20% 10-20% 1-10% 1-10% 5-45%	1000ppm 1mg/m3 None None 1000ppm	40@72F	Irritant Inhalation Ingestion Flammable	Large Room Good Venting	Seldom <10Min when needed.	None

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United 199 Everlast	Aliphatic petroleum solvent	10-30%	500ppm	74psig	Inhalation Irritant	Large Room Good Venting	Seldom when needed. <15min	None
	Calcium Carbonate	10-30%	15mg/m3					
	Toluene	10-15%	200ppm					
	Xylene	1-15%	100ppm					
	Ethyl benzene	0.1-	100ppm					
	Carbon Black	0.5%						
	Crystalline Silica		3.5mg/m3					
	Propane/n-Butane	1-2%	10mg/m3					
		<0.5%	1000ppm					
		20-40%						
Dry Spray Lubricant	Isoparaffinic Hydrocarbon	45-55%	281ppm	45Psig	Inhalation and Ingestion Irritant	Large Room Good Venting	Seldom ,10Min when needed.	None
	2,2-Dichloro-1,1,1,2,2-pentafluoropane	1-10%	None					
	Polytetrafluoroethylene	1-10%	10mg/m3					
	Liquefied Petroleum Gas	40-50%	1000ppm 1800mg/m3					
025 Coolant Fluid	Ethylene Glycol	Not Listed	Not Listed	@ 20degC .06	Inhalation Skin Ingestion	Local exhaust is adequate	<15 min When needed	None
Knock Out	Fuel Oil	81	5 mg/m3	Not Listed	Ingestion may be fatal Skin and Eye irritant Inhalation Hazard	Use in well vented area	8hrs Annually when needed	None
	Aromatic Hydrocarbon	13	100ppm					
	Diethylene Glycol Monoethyl Ether	5	Not established					
	Bromacil	.98	Not established					
	Isooctyl 2-ethylhexyl ester of 2,4-D	1.09	10 mg/kg					
	Naphthalene	<2	Not established					
North Woods Solvent Degreaser	Citrus Terpenes	95-100	Not Available	<10 mm Hg @68deg F	Eyes, Inhalation, and Ingestion Irritant	General ventilation is sufficient	<1hr When Needed	None
	Nonionic Surfactant	0-5	Not Available					

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Sea Foam Motor Tune-Up	Pale Oil	40-60	5 mg/m ³	Not Listed	Eye, Inhalation, Skin, and Ingestion Hazards	Use in well vented area	<1hr When Needed	None
	Naphtha	25-35	300ppm					
Sea Foam Trans-Tune	IPA	10-20	400ppm					
157 Break Away	Acetone	% Not Listed	1000ppm	44 mmHg	Inhalation and Skin Hazards	General ventilation is sufficient	<1hr When Needed	None
	Isoparafinic Hydrocarbon		400ppm					
	L.P.G.		1000ppm					
Zep Sweeping Compound	Not Listed	Not Listed	Not Listed	Not Listed	Eye, Inhalation, Skin, and Ingestion Hazards	General ventilation is sufficient	<1hr When Needed	None