

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

Chemical Name	Contents	%	Exposure Limit (OSHA PEL)	Vapor Pressure	Hazard	Condition Of Use	Duration	Respirator Required or Voluntary
6408 Multilec Industrial Oil	Oil Mist Diphenyl Amine	>90 <.2	Not Established	<5 mmHg @ 60 deg F	Avoid Eye and Skin Contact	Avoid Inhalation of Oil Mist	<30min weekly	None
Air Tool Conditioner	Isopropyl Alcohol Polypropylene Glycol Butyl Ether Zinc Alkydithiophosphate Mixture	Not Listed Not Listed 3	500ppm 500ppm Not Determined	Not Listed	Eyes Skin Ingestion and Inhalation Hazard	Use in well vented are	<15min weekly	NIOSH approved respirator As necessary
DA 7120 Get a Grip Grey	Xylene Toluene VM&P Naphtha Isopropyl Acetate Acetone Propane/Isobutane/ N-Butane	1-10 10-20 1-10 1-10 20-30 20-30	100ppm 100ppm 300ppm 250ppm 750ppm 1000ppm	PSIG at 70deg F: 46	Absorption, Inhalation, and Ingestion Hazard	When Spraying more than ½ can constantly Or 1 can consecutively use a NIOSH approved respirator.	???	Required
GRA HI TEMP DRI-FILM GRAPHITE	Isopropanol Propane Isobutane Hexane	<30 <12 <12 <50	400ppm TLV 1000ppm TLV 1000ppm TLV 50ppm TLV	Not Listed	Eye and Skin Irritant Deliberate Inhalation may be fatal	Use with adequate ventilation	<15min When Needed	None
Heavy Duty Instant Adhesive	Ethyl Cyanonacrylate Urethane Rubber Poly Methyl Methacrylate	60-100 5-10 5-10	Not Listed	No Data Available	Eye tearing Skin Irritation Inhalation Hazard	Use with adequate ventilation	<30min When Needed	None
MARC 104 Break-a-way Penetrating Oil	Methylene Chloride Ethylene Glycol Monobutyl Ether Carbon dioxide propellant	Not Listed	50ppm TLV 25ppm TLV 5000ppm TLV	80psig @25deg C	Inhalation Skin Ingestion Hazard	Use with adequate ventilation	<15min When Needed	None

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

Chemical Name	Contents	%	Exposure Limit (OSHA PEL)	Vapor Pressure	Hazard	Condition Of Use	Duration	Respirator Required or Voluntary
High Solids Grey Sandable Primer Spray Paint	Propane	10-30	1000ppm	No Data Available	Eye and Inhalation Hazard	Use with adequate ventilation	<30 min When Needed	None
	N-Butane	5-10	Not Listed		Skin Irritant			
	Titanium Dioxide	5-10	15 mgm3 total dust					
	Acetone	10-30	1000ppm					
	Toluene	5-10	200ppm					
	Light Aliphatic Naptha Solvent	5-10	Not Listed					
	Talc (Mg3H2(Si03)4)	1-5	Not Listed					
	Xylene (mix)	1-5	100ppm					
	Ethyl Alcohol	1-5	1000ppm					
	Mineral Spirits	1-5	Not Listed					
	n-Butane acetate	1-5	150ppm					
	Isobutyl acetate	1-5	150ppm					
	Isopropyl Alcohol	1.07	400ppm					
PM Acetate	0.5-1.5	Not Listed						
High Solids OSHA Black	Acetone	10-30	1000ppm	No Data Available	Eyes Inhalation Hazard	Use with adequate ventilation	<30 min when needed	None
	Propane	10-30	1000ppm		Skin Irritant			
	N-Butane	5-10	-					
	Barium Sulfate	5-10	.5mg/m3					
	Ethylene glycol monopropyl ether	3-7	-					
	Methylisobutyl keytone	3-7	100ppm					
	Methyl Propyl Keytone	1-5	200ppm					
	Xylene (mix)	1-5	100ppm					
	PM Acetate	1-5	-					
	Isobutyl acetate	1-5	150ppm					

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

Chemical Name	Contents	%	Exposure Limit (OSHA PEL)	Vapor Pressure	Hazard	Condition Of Use	Duration	Respirator Required or Voluntary
Maxi-Lube Red	Barium Dinonylnaphthalene Sulfonate Hydrotreated Heavy Naphthenic Distillate Antimony Dialkyldithiocarbamate Aluminum Benzotate C16-18 Fatty Acid Hydroxy Complex Oil Mist Value	Not Listed	Not Established 5 mg/m3\$.5 mg/m3 Not Established	<1	Inhalation Ingestion Absorption Hazard	Use with adequate ventilation	<30min When Needed	None
North Woods Break Away	Carbon Dioxide Tetrachloroethylene	<5 <98	5000ppm 25ppm	15 mm Hg	Strong Eye Irritant Mild Skin and Inhalation Irritant	Use in well vented area	<15min When Needed	None
North Woods Bug Off	Isopropyl Alcohol L.P.G.	<45 Not Listed	400ppm 1000ppm	70 mmHg	Strong Eye Irritant Inhalation Hazard	Use in well vented area	<5min When Needed	None
North Woods De-Ice	Carbon Dioxide Ethylene Glycol Isopropyl Alcohol Methyl Alcohol	Not Listed	5000ppm Not Listed 400ppm 200ppm	<95	Strong Ingestion Hazard Skin, Eye, and Inhalation Irritant	Use in well vented area	<5min When Needed	None
North Woods Fast Break	Acetone Carbon Dioxide Heptane Petroleum Naphtha VM & P	47-53 1-4 20-24 18-25	1000ppm 5000ppm 400ppm 300ppm	124	Skin Eye Inhalation Ingestion Irritant	Use in well vented area	<15min When Needed	None
North Woods Grease	L.P.G. Heptane	Not Listed	1000ppm 400ppm	124 mm Hg	Strong Eye Irritant Skin Irritant	Use adequate ventilation	<15min When Needed	None

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

Chemical Name	Contents	%	Exposure Limit (OSHA PEL)	Vapor Pressure	Hazard	Condition Of Use	Duration	Respirator Required or Voluntary
North Woods One Touch	L.P.G.	25-30	1000ppm	Non Available	Severe Eye and Inhalation Irritant Skin Irritant	Use adequate ventilation	<1hr When Needed	None
	Petroleum Distillates	15-20	200ppm					
North Woods Tef Lube	L.P.G. Odorless Mineral Spirits	Not Listed	1000ppm 300ppm	30 mm Hg	Strong Eye Irritant Skin, Inhalation, and Ingestion Hazard	Use adequate ventilation	<1hr When Needed	None
PB Penetrating Catalyst	Carbon Dioxide (propellant)	<2	Not Listed	Not Determined	Eye, Skin, Inhalation, and Ingestion Irritant	Use with good ventilation	<15min When Needed	None
	Distillates, petroleum, solvent-dewaxed	<40						
	Solvent naphtha, petroleum, heavy arom	<30						
	Distillates, petroleum, hydrotreated lig	<25						
	Dipropylene glycol methyl ether	<5						
Lubra-Guard Bio 46 (5GL Cont), LS	Refined canola oil	Not Listed	Not Listed	0 mm Hg @ 70deg F	May cause Eye, Skin, Inhalation, and Ingestion Irritation	Ensure adequate ventilation	<1hr When Needed	None
Quickrete Portland Cement	Portland Cement	None Listed	5 mg/M3	Not Applicable	Inhalation, Skin, and Ingestion Hazards	Ensure adequate ventilation	<1hr When Needed	None
	Silica Sand, crystalline		$\frac{10}{\%SiO_2+2}$					
	Pulverized Lime stone		5					
	Fly Ash		5					
	Gypsum		5					
Lime	5							

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

Chemical Name	Contents	%	Exposure Limit (OSHA PEL)	Vapor Pressure	Hazard	Condition Of Use	Duration	Respirator Required or Voluntary
535 Thread Sealant PST Pipe Sealant	Polyglycol Dimethacrylate	30-60	None	<5 mmHg @80deg F	Inhalation, Skin, and Eye Irritant	Use with adequate ventilation	<15min When Needed	None
	Cellulose Ester	10-30	None					
	Poly (Tetrafluoroethylene)	5-10	None					
	Titanium Dioxide	1-5	15 Mg/M3 TWA total dust					
	Treated Fumed Silica	1-5	5 Mg/M3 Respirable dust					
	Saccharin	1-5	None					
	Cumene Hydroperoxide	1-5	None					
Quickrete Portland Cement based Concrete Products	Portland Cement	% Not Listed	5 Mg/M3	Not Available	Inhalation, Ingestion, Skin, and Eye Hazards	Ensure adequate ventilation	<1hr When Needed	None
	Lime		5 Mg/M3					
	May contain one or more of the following ingredients:							
	Amorphous Silica (From fly ash)		<u>80</u> %Sio2+2					
	Alumina (From fly ash)		5 Mg/M3					
	Limestone Dust		5 Mg/M3					
	Calcium Sulfate	5 Mg/M3						
Sea Foam Deep Creep	Pale Oil	40-60	.01 mmHg@68	Not Listed	Inhalation, Ingestion, Skin, and Eye Hazards	Use with adequate ventilation	<15min When Needed	None
	Napatha	25-35	10 mmHg@68					
	IPA	10-20	33 mmHg@68					
	Carbon Dioxide	3-5	38650 mmHg@68					

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

Chemical Name	Contents	%	Exposure Limit (OSHA PEL)	Vapor Pressure	Hazard	Condition Of Use	Duration	Respirator Required or Voluntary
Semi-Gloss Black Enamel	Acetone	19.18	500ppm	Not Listed	Eye, Skin, Inhalation, and Ingestion Irritation	Ensure adequate ventilation	<1hr When Needed	None
	Propellant: Propane	15.75	2500ppm					
	Calcium Carbonate	9.28	10ppm					
	N-Butane	9.25	800ppm					
	PM Acetate	5.78	Not Available					
	Glycol Ether EP	5.18	25ppm					
	Methyl Isobutyl Keytone	4.58	50ppm					
	Xylene	2.39	100ppm					
	Methyl Propyl Ketone	2.38	200ppm					
	Silicone Dioxide	1.41	10ppm					
Steelvantage 5 Amp	Iron	85-98	5ppm	Not Listed	Inhalation, Eyes, and Skin	Use enough ventilation.	<1hr When Needed	None
	Manganese	<4	1ppm					
	Titanium Dioxide	<10	5ppm					
	Silicon	<4	5ppm					
	Fluorspar	<5	2.5ppm					
	Molybdenum	<1	5ppm					
Streakless Glass Cleaner	2-Butoxyethanol	Not Listed	25ppm (skin)	140psig @130F	Inhalation, Eyes, Skin, and Ingestion Hazards	Use with adequate ventilation	<30min When Needed	None
	Ethyl Alcohol		1000					
	Methyl Alcohol		200					
	Deionized Water		-					
	Liquefied Petroleum Gas		1000					

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

Chemical Name	Contents	%	Exposure Limit (OSHA PEL)	Vapor Pressure	Hazard	Condition Of Use	Duration	Respirator Required or Voluntary
Thread Sealant with Teflon	Isopropyl Alcohol	35-40	500ppm	33mm @68F	Eye irritant. Moderately toxic by ingestion. Inhalation and Skin irritant.	Use with adequate ventilation	<15min When Needed	None
	Talc	25-30	2 mg/m3 TWA Respirable dust					
	Vegetable Oil	20-25	None					
	Vinyl Resin	10-15	None Listed					
	Poly (tetrafluoroethylene)	1-3	None					
	Titanium Dioxide	1-3						
ULV Flushing solvent	Contents not listed	Not Listed	Not Listed	8/69F mmHg	Inhalation, Eyes, Skin, and Ingestion Hazards	Use with adequate ventilation	<15min When Needed	None
United 106 Silicone Lubricant	Acetone	35-45	1000ppm	>36 mmHg	Eye, Skin, and Inhalation Irritant	Ensure adequate ventilation	<15min When Needed	None
	Heptane	10-20	400ppm					
	Propane/N-Butane	35-42	Not Established					
United 113 Glacier Break	1,1 Difluoroethane	70-85	Not Established	<90 psig	Inhalation, Eyes, Skin, and Ingestion Hazards	Use with adequate ventilation	<15min When Needed	None
	Dimethylpolysiloxanes	10-15	Not Established					
	Methyl isobutyl ketone	<5	50ppm					
	Oleic Acid	<3	Not Established					
United 119 Aerosol Open Gear and Cable Lubricant	Methylene Chloride		1000ppm	26 mmHg At 70F	Inhalation, Eyes, Skin, and Ingestion Hazards	Use with adequate ventilation	<15min When Needed	None
	Isobutane		Not Established					
	Propane		Not Established					
	Odorless Mineral Spirits		1000ppm					
	Asphaltic Lubricant		Not Established					
United 173 Wasp Whacker	Mineral Spirits	None Listed	Not Established	80psig @ 130F	Inhalation, Eyes, Skin, and Ingestion Hazards	Use with adequate ventilation	<15min When Needed	None
	Carbon Dioxide		500ppm					

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

Chemical Name	Contents	%	Exposure Limit (OSHA PEL)	Vapor Pressure	Hazard	Condition Of Use	Duration	Respirator Required or Voluntary
3M Unerseal Ruberized Undercoating	Talc	10-30	2 mg/m3	98 mmHg @20C	Severe Inhalation Irritant	Provide appropriate local exhaust ventilation.	<1hr When Needed	None
	Heptane	10-30	500ppm					
	Propane	7-13	100ppm		Eye, Skin, and Ingestion Irritant			
	Alpha Methylstyrene	7-13	Not Listed					
	Isoamylene							
	Piperylene Polymer							
	Asphalt Base	5-10	Not Listed					
	Solvent Naphtha	5-10	Not Listed					
	Methylhexanes	5-10	400ppm					
	Toluene	3-5	200ppm					
	Butadiene Styrene	1-5	Not Listed					
	Meta Divinylbenzene							
	Polymer							
	Methylohexane	1-5	400ppm					
Dimethyl Ether	1-5	100ppm						
Synthetic Amorphous Silica	1-1.5	Not Listed						
Dimethylpentanes	1-5	Not Listed						
Carbon Black	<1	3.5 mg/m3						
Quartz Silica	<0.2	0.1 mg/m3						