

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

Chemical Name	Contents	%	Exposure Limit (OSHA PEL)	Vapor Pressure	Hazard	Condition Of Use	Duration	Respirator Required or Voluntary
Diesel Fuel Supplement +Octane Boost	Petroleum Distillates Aromatic Hydrocarbons	N/A Trade Secret	500ppm	0.2 - 9.5	. Inhalation and Ingestion Irritant Harmful or Fatal if Swallowed	Use only with adequate ventilation	<1hr week	None
North Woods Table Top	Alkyl Dimethyl Benzyl Ammonium Chloride Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	<1 <1	Not est.	N/A	Skin Eyes Ingestion	No special requirements if product is used accordingly	<1hr week	None
Dermagel Sanitizer	Ethyl Alcohol Deionized Water Citric Acid Gelant	61	Not est.	<1mmhg @ 20deg C	Eye and Ingestion	Use as directed	<15 min daily	None
Fleetguard ES Extender	Potassium Phosphate Sodium Molybdate Sodium Nitrite Sebacic Acid Sodium Silicate	2-8 2-8 3-4.9 1-4 1-4	N/A	760 @ 100deg C	Eye, Skin, and Inhalation Irritant Ingestion can cause severe vomiting, shock and death	Use adequate mechanical ventilation	<15min As/When needed	None
North Woods Blue Ox	None Listed	N/A	N/A	20mmHg @ 68deg F	Skin, Eye, and Ingestion Irritant	Provide local exhaust	<15 min when needed	None
North Woods Brilliance	Ammonium Hydroxide 2-Butoxyethanol	0-5 1	50 50	Not det.	Skin, Eye, Inhalation and Ingestion Irritant	General ventilation Local exhaust may be necessary	<15 min when needed	None

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Shineline Emulsifier Plus	2-Butoxyethanol	20-30	240 (skin) 96	Unknown	Inhalation, Skin Contact, Eyes and Oral	Use with adequate ventilation	<1hr Annually	None
	Monoethanolamine	5-10	7.5					
	Sodium xylene sulfonate	1-5	Not established					
	Sodium metasilicate	1-5	Not Established					
	Sodium Hydroxide	1-5	2					
	Ethoxylated alcohols phosphate ester	1-5	Not Established					
North Woods Brute Force 13	2-Butoxyethanol	9-15	50ppm	20 mmHg @68degF	Severe Skin and Eye Irritant Inhalation and Ingestion Hazard	Use in well vented area	<30 min When Needed	None
	Potassium Hydroxide	0-5	Not Available					
	Sodium Orthosilicate	0-5	Not Listed					
North Woods Citra Suds	Calcium Silicate	<5	10mg/cu.m TWA-TLV	Not Available	Severe Ingestion Hazard Skin Eye and Inhalation Irritant	Use in well vented area	<30 min When Needed	None
North Woods Dazzle	No Hazardous Ingredients	Not Listed	Not Listed	20mm Hg @ 68°F	Skin Eye and Ingestion Irritant	Use with adequate ventilation	<15 min When Needed	None
North Woods Fire Ball	Sodium Hydroxide	0-5	2mg/M3	20mm Hg @68deg F	Skin Eye and Ingestion Irritant	Use with adequate ventilation	<15 min When Needed	None
	Glycol ether	3						
North Woods Fire Ball	Liquefied Petroleum Gas	05-10	1000ppm	64psig @70degF	Eye and Ingestion Irritant	Use with adequate ventilation	<15 min When Needed	None
North Woods High Speed	Sodium Hydroxide	5-10	2(mg/m3)	Not Available	Corrosive to Skin and Ingestion Eye and Inhalation Irritant	Use with adequate ventilation	<1hr When Needed	None
	Butoxyethanol	0-5	25ppm					
North Woods Mirage	Glycol Ether	0-5	Not Listed	Not Listed	Skin Eye and Ingestion Irritant	Use with adequate ventilation	<1hr When Needed	None

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North Woods Molecule Plus 100	Isopropyl Alcohol	<20	400ppm	Unknown	Eye, Skin, Inhalation, and Ingestion Irritant	Use with adequate ventilation	<30 min When Needed	None
North Woods Sunbath	2-Butoxyethanol	3	25ppm	20 mm Hg @ 68degF	Severe Eye Irritant Skin, Inhalation, and Ingestion Irritant	Use with adequate ventilation	<30 min When Needed	None
North Woods Sun Drop	Isopropyl Alcohol Quaternary Ammonium Chloride	0-5 2.0	400ppm Not Listed	20 mm Hg@68deg F	Skin, Eyes, and Ingestion Irritant	Use in well vented area	<30 min When Needed	None
North Woods Table Top	Alkyl Dimethyl Benzyl Ammonium Chloride Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	<1 <1	Not Established	Not Determined	Skin, Eyes, and Ingestion Irritant	Use with adequate ventilation	<15 min When Needed	None
North Woods Trail Blazer	Sodium Metasilicate	0-5	Not Established	20 mm Hg@68deg F	Skin, Eyes, and Ingestion Irritant	Use with adequate ventilation	<1hr When Needed	None
United 40 P.S.I.	Not Listed	Not Listed	Not Listed	Not determined	Eye, Skin, and Inhalation irritant	Use with adequate ventilation	<30 min When Needed	None
United 455 Liqui-Zyme and Sunshine Liqui-Zyme	Not Listed	Not Listed	Not Listed	17.5 mmHg At 77F	Eye, Skin, Inhalation, and Ingestion Irritant	Use with adequate ventilation	<30 min When Needed	None