

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : SW150
Product form : Mixture
Product code : NONE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Screen Wash

1.3. Details of the supplier of the safety data sheet

RhinoTech, Inc.
P.O. Box 5426
Sarasota, FL 34277
651.686.5027

1.4. Emergency telephone number

Emergency number : ChemTel, Inc. 800-255-3924, International 813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

<u>Hazard Code</u>	<u>Hazard Class</u>	<u>Hazard Category</u>
H226	Flammable liquids	3
H304	Aspiration hazard	1
H311	Acute toxicity, dermal	3
H315	Skin corrosion/irritation	2
H317	Sensitization, skin	1
H319	Serious eye damage/eye irritation	2A
H332	Acute toxicity, inhalation	4
H335	Specific target organ toxicity, single exposure (Respiratory Tract Irritation)	3
H336	Specific target organ toxicity, single exposure (Narcotic Effect)	3
H360	Reproductive toxicity	1B

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal Word (GHS-US): **Danger**

Hazard Statements (GHS-US):

- H226: Flammable liquid and vapor
- H304: May be fatal if swallowed and enters airways
- H311: Toxic in contact with skin
- H315: Causes skin irritation
- H317: May cause allergic skin reaction
- H319: Causes serious eye irritation
- H332: Harmful if inhaled
- H335: May cause respiratory irritation
- H336: May cause drowsiness or dizziness
- H360: May damage fertility or the unborn child

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Precautionary statements (GHS-US):

P201: Obtain special instructions before use
P202: Do not handle until all safety precautions have been read and understood
P210: Keep away from heat/sparks/open flames/hot surfaces. -No smoking.
P233: Keep container tightly closed
P240: Ground/bond container and receiving equipment
P241: Use explosion-proof electrical/ventilating/lighting/equipment
P242: Use only non-sparking tools
P243: Take precautionary measures against static charge
P261: Avoid breathing dust/fumes/gas/mist/spray
P264: Wash thoroughly after handling
P271: Use only outdoors or in a well-ventilated area
P272: Contaminated work clothing should not be allowed out of the workplace
P280: Wear protective gloves/protective clothing/eye protection/face protection
P312: Call a POISON CENTER or doctor/physician if you feel unwell
P321: Specific treatment (see SECTION 4)
P322: Specific measures (see SECTION 4)
P331: Do NOT induce vomiting
P361: Remove/Take off immediately all contaminated clothing
P362: Take off contaminated clothing and wash before reuse
P363: Wash contaminated clothing before reuse
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+352: IF ON SKIN: Wash with soap and water
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+313: IF exposed or concerned: Get medical advice/attention
P332+313: If skin irritation occurs: Get medical advice/attention
P333+313: If skin irritation or a rash occurs: Get medical advice/attention
P337+313: If eye irritation persists get medical advice/attention
P370+378: In case of fire: Use suitable extinguishing media for extinction (SEE SECTION 5)
P403+233: Store in a well ventilated place. Keep container tightly closed
P403+235: Store in a well ventilated place. Keep cool
P405: Store locked up
P501: Dispose of contents/container in accordance with local, state and federal authorities.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	CAS #	%
Ethylene glycol monobutyl ether	111-76-2	50 - 70
Dimethyl Glutarate	1119-40-0	10 - 20
Nonylphenol Ethoxylate	9016-45-9	< 10
1-Methyl-2-pyrrolidinone	872-50-4	< 6
Orange Terpenes	5989-27-5	< 6
Dimethyl Succinate	106-65-0	1 - 5
Dimethyl Adipate	627-93-0	1 - 5

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing Use artificial respiration and oxygen if needed. Consult a physician.
First-aid measures after skin contact	: IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). If irritation persists, seek medical attention.
First-aid measures after eye contact	: IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). If irritation persists, seek medical attention.
First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Prolonged exposure may cause skin cracking and dermatitis in sensitive individuals. May cause eye irritation
Symptoms/injuries after inhalation	: May cause headache, nausea and irritation of respiratory tract.
Symptoms/injuries after skin contact	: Causes skin irritation. Slight skin absorption; toxic effects likely by this route.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea if swallowed.
Chronic symptoms	: No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide. Dry powder. Water spray.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flash Point > 110 F (Closed Cup).
Explosion hazard	: Product is not explosive.
Reactivity	: No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions	: Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment	: Wear Protective equipment as described in Section 8.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Approved supplied-air respirator, in case of emergency. Wear suitable protective clothing, gloves and eye or face protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and open flame. Use proper grounding and bonding. Store in cool well ventilated area. Keep container closed when not in use. Use only with adequate ventilation. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Wash thoroughly after handling. Do not breathe the mist or vapor. Do not get in eyes. Avoid contact with skin. Do not swallow.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : heat sources. Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No OSHA and ACGIH PEL's or TLV's for the listed ingredients of this product unless stated below:

Ethylene glycol monobutyl ether, CAS# 111-76-2			
OSHA PEL (TWA) ppm - if units not stated	OSHA PEL (STEL) ppm - if units not stated	OSHA PEL (Ceiling) ppm - if units not stated	ACGIH-TLV
20 ppm / 240 mg/m ³ skin	Not Established	Not Established	20 ppm

1-Methyl-2-pyrrolidinone, CAS# 872-50-4			
OSHA PEL (TWA) ppm - if units not stated	OSHA PEL (STEL) ppm - if units not stated	OSHA PEL (Ceiling) ppm - if units not stated	ACGIH-TLV
50 PPM (WEEL info)	Not Established	Not Established	Not Established

8.2. Exposure controls

Personal protective equipment : Face shield. Gloves. Protective clothing. Protective goggles. Respiratory protection of the dependent type.

Hand protection : Chemical resistant gloves.

Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : Wear long sleeves. Wear suitable protective clothing.

Respiratory protection : In case of inadequate ventilation wear respiratory protection. If handling results in dust, mist, or aerosols, special ventilation may be required to avoid exceeding exposure limits for nuisance or oil mist particles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear Liquid.

Color : No data available

Odor : Solvent.

Odor Threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : > 110 F (Closed Cup).

Self ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative vapor density at 20 °C : No data available

Relative density : 0.95 @ 25 °C

Solubility : No data available

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Explosive limits : No data available

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Sparks. Heat. Open flame. Sun Light.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Oral LD50: > 2000 mg/kg (rat) Calculated

Dermal LD50: 658 mg/kg (rabbit) Calculated

Inhalation LC50: 3.7 mg/l (Dust/Mist-rat) Calculated

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: May cause eye irritation and damage.
Respiratory or skin sensitization	: May cause skin sensitization and respiratory irritation.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Respiratory tract irritation, narcotic effect.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways
Symptoms/injuries after inhalation	: See SECTION 4
Symptoms/injuries after skin contact	: See SECTION 4.
Symptoms/injuries after eye contact	: See SECTION 4
Symptoms/injuries after ingestion	: See SECTION 4.
Chronic symptoms	: No data available.
Notes:	No data available.

SECTION 12: Ecological information

12.1. Toxicity

No Data

12.2. Persistence and degradability

No Data

12.3. Bioaccumulative potential

No Data

12.4. Mobility in soil

No Data

12.5. Other adverse effects

No Data

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

14.1. UN number, proper shipping name, class and packaging group.:

Domestic Ground Shipments

Combustible Liquid, NOS (In Bulk > 110 Gal. Only)
(Ethylene Glycol Monobutyl Ether) Pkg III

Hazard Class: None

ID Number: None

Label Requirements: None

Reportable Quantity: None

14.2. Additional information

SECTION 15: Regulatory information

15.1. US Federal regulations

TSCA Inventory: The components of this product are listed.

SARA Section 311/312, Hazard Category (40CFR 370.2): Acute and chronic health hazard, Fire hazard.

SARA Section 313, Toxic Release Reporting (40CFR Part372):

Ethylene glycol monobutyl ether, CAS# 111-76-2	50 - 70% by wt
N-methyl-2-pyrrolidone, CAS#872-50-4	< 6% by wt

SARA Section 302, EHS Emergency Planning (40CFR Part 355): No listed substance known over 1.0%.

SARA Section 304, EHS Release Reporting (40CFR Part 355): No listed substance known over 1.0%.

CERCLA Section 102-103 HS Release Reporting (40 CFR par302-102a): No listed substance known over 1.0%.

15.2. International regulations

No Data

15.2.2. National regulations

No Data

15.3. US State regulations

California Prop. 65:

Approximate quantities by weight

N-methyl-2-pyrrolidone, CAS#872-50-4 - birth defects or other reproductive harm	< 6% by wt
Ethylene oxide, CAS# 75-21-8, Cancer and Reproductive Harm	< 0.0001% by wt

SECTION 16: Other information

Other information : None.

NFPA health hazard : 2

NFPA fire hazard : 2

NFPA reactivity : 0

HMIS III Rating

Health : 2

Flammability : 2

Physical : 0

Personal Protection :

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