



Premium Miscible Wash

1. Product and Company Identification

Product Name	Premium Miscible Wash
Synonyms	None
MSDS Number	D13557
Company Identification	Wausau Chemical Corporation 9919 Innovation Way Wausau, WI 54401
Telephone	Wausau Chemical Corporation – 715.842.2285 CHEMTREC – 800.424.9300

NFPA diamond and HMIS ratings for this product may be found in section 16 of this Safety Data Sheet.

2. Hazards Identification

Form	Liquid
Color	Clear, blue
Odor	Moderate
OSHA/HCS Status	Material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
GHS Classification	Flammable liquids (Category 3) Acute toxicity, inhalation (Category 3) Skin corrosion/irritation (Category 2) Skin sensitization (Category 1) Germ cell mutagenicity (Category 1B) Carcinogenicity (Category 1B) Specific target organ toxicity – single exposure (Category 3, respiratory, central nervous system) Aspiration hazard (Category 1) Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 1)

Pictogram



Signal Word

Danger

Hazard Statement(s)

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P201	Obtain special instructions before use.
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P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, open flames, sparks. 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 discharge.
P261	Avoid breathing fumes/gas/mist/vapors/spray.
P264	Wash skin 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.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310 + P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P311	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.
P308 + P313	If exposed or concerned: Get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use dry chemical, alcohol-resistant foam, or carbon dioxide to extinguish.
P391	Collect spillage.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

Potential Acute Health Effects

Inhalation	Excessive concentrations of mist or vapors can cause irritation of the respiratory system as well as euphoria, excitation, headache, nausea, vomiting, abdominal pain, loss of appetite, and CNS depression, including sudden death from cardiac arrest.
Ingestion	May cause irritation of the mucous membranes. Readily absorbed by the stomach and intestinal tract with nausea, vomiting, dizziness, drowsiness, loss of consciousness, delirium, and CNS effects.
Skin	May cause skin irritation on repeated or prolonged contact. May be absorbed through the skin and produce central nervous system depression.
Eyes	Mild eye irritant.

See section 11 for more detailed information on health effects and symptoms

3. Composition/Information on Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>WT %</u>
Petroleum Naphtha	64742-48-9	50
Petroleum Naphtha	64742-95-6	40
1-Methyl-4-(1-Methylethenyl)-Cyclohexene	5989-27-5	4
Nonylphenol Ethoxylates	9016-45-9	2
Glycol Ether DPM	34950-94-8	4



4. First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if eye irritation develops. Remove contact lenses if present and easily removable.
Skin Contact	Take off contaminated clothing and shoes; wash before reuse. Wash affected area with plenty of water for at least 15 minutes. Consult a physician if skin irritation develops.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Give plenty of water to drink. Consult a physician.
Protection of First Aid Personnel	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wear gloves while removing contaminated clothing. If it is suspected that dust, vapor, mist, or gas is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

5. Fire-fighting Measures

Flammability of the Product	Combustible Liquid
Flash Point (Method)	> 114 °F, 45.6 °C (tag closed cup)
Auto Ignition Temperature	Not determined

Extinguishing Media

Suitable	Use dry chemical, alcohol-resistant foam, or carbon dioxide.
Not Suitable	Do not use water.
Special Fire-fighting Procedures & Hazards	Wear self-contained breathing apparatus and complete protective clothing for firefighting. Water is not a suitable extinguishing media, but may be used to keep containers cool.
Unusual Fire & Explosion Hazards	Vapors are heavier than air and can travel along the ground and gather in low areas which can be ignited by ignition sources such as pilot lights. Use water spray/stream to cool endangered containers. If boiling point is reached, container may rupture explosively and produce a fireball.

6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge to the environment must be avoided.
Spill	Contain spillage, and then place in container for disposal according to local regulations.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel, and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers.
Storage	Keep containers tightly closed. Store away from heat or combustion sources.



8. Exposure Controls/Personal Protection

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Petroleum Naphtha	Not available	2000 mg/m ³
1-Methyl-4-(1-Methylethenyl)-Cyclohexane	20 ppm – TWA	Not established
Nonylphenol Ethoxylates	Not established	Not established
Glycol Ether DPM	100 ppm – TWA	100 ppm – TWA
Engineering Measures	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Maintain adequate ventilation. Keep levels below exposure limits.	
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.	
Respiratory	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.	
Eyes and Face	Chemical splash goggles in compliance with OSHA regulations are advised.	
Skin	Wear chemical resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.	

9. Physical and Chemical Properties

Appearance	Clear, blur liquid
Odor	Moderate
pH	Not applicable
Water Solubility	Slight
Vapor Density (air = 1)	Not determined
Evaporation rate (butyl acetate = 1)	Not determined
Boiling Point (°F)	316 °F (158 °C)
Freezing Point (°F)	Not determined
Specific Gravity (H ₂ O = 1 @ 70 °F)	0.820
Vapor Pressure (mm Hg, 20 °C)	Not determined
Volatile Organic (VOC) Content	98 %

10. Stability and Reactivity

Stable:	X	Unstable:		Hazardous Polymerization:		Occurs:		Does Not Occur:	X
Conditions to Avoid	Keep away from high heat and ignition sources.								
Materials to Avoid	Strong oxidizing agents.								
Decomposition Products	Forms smoke, carbon monoxide, and carbon dioxide at high heat.								

11. Toxicological Information

Eye	Mild eye irritant.
Petroleum Naphtha	Eyes – no data available



Petroleum Naphtha, Light Aromatic	Eyes – no data available
1-Methyl-4-(1- Methylethenyl)- Cyclohexane	Eyes – no data available
Nonylphenol Ethoxylates	Eyes - rabbit – severe eye irritation
Glycol Ether DPM	Eyes - rabbit – mild eye irritation – 24 h
Dermal	May cause skin irritation on repeated or prolonged contact. May be absorbed through the skin and produce central nervous system depression.
Petroleum Naphtha	Dermal LD50 – rabbit – > 5000 mg/kg Skin corrosion/irritation: no data available
Petroleum Naphtha, Light Aromatic	Dermal LD50 – rabbit – > 2000 mg/kg Skin corrosion/irritation: slight skin irritation
1-Methyl-4-(1- Methylethenyl)- Cyclohexane	Dermal LD50 – rabbit – > 5000 mg/kg Skin corrosion/irritation: no data available
Nonylphenol Ethoxylates	Dermal LD50 – no data available Skin corrosion/irritation: rabbit – mild skin irritation
Glycol Ether DPM	Dermal LD50 – no data available Skin corrosion/irritation: no data available
Inhalation	Excessive concentrations of mist or vapors can cause irritation of the respiratory system as well as euphoria, excitation, headache, nausea, vomiting, abdominal pain, loss of appetite, and CNS depression, including sudden death from cardiac arrest.
Petroleum Naphtha	Inhalation LC50 – rat – 4.95 mg/l – 4 h
Petroleum Naphtha, Light Aromatic	Inhalation LC50 – rat – 6000-10,000 mg/m ³
1-Methyl-4-(1- Methylethenyl)- Cyclohexane	Inhalation LC50 – no data available
Nonylphenol Ethoxylates	Inhalation LC50 – no data available
Glycol Ether DPM	Inhalation LC50 – no data available
Oral	May cause irritation of the mucous membranes. Readily absorbed by the stomach and intestinal tract with nausea, vomiting, dizziness, drowsiness, loss of consciousness, delirium, and CNS effects.
Petroleum Naphtha	Oral LD50 – rat – > 5000 mg/kg
Petroleum Naphtha, Light Aromatic	Oral LD50 – rat – > 14,000 mg/kg
1-Methyl-4-(1- Methylethenyl)- Cyclohexane	Oral LD50 – rat – 4400 mg/kg
Nonylphenol Ethoxylates	Oral LD50 – no data available
Glycol Ether DPM	Oral LD50 – rat – 5152 mg/kg

Potential Chronic Health Effects

Carcinogenicity	(Petroleum Naphtha, Light Aromatic) IARC: Group 2B - Possibly carcinogenic to humans. ACGIH: Not classifiable as a human carcinogen.
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(1-Methyl-4-(1-Methylethenyl)-Cyclohexane)

Rat - Oral

Tumorigenic: Carcinogenic by RTECS criteria. Kidney, Ureter, Bladder, Kidney tumors.
Tumorigenic Effects: Testicular tumors.

Mouse - Oral

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Gastrointestinal tumors.

IARC: Group 3 – Not classifiable as to its carcinogenicity to humans.

Mutagenicity

(Petroleum Naphtha, Light Aromatic)

Presents positive results of mutagenicity in *in vitro* studies.

Reproductive

(Petroleum Naphtha, Light Aromatic)

Suspected as a human reproductive toxicant.

Specific target organ toxicity
(single exposure)

May cause respiratory irritation and depression of the central nervous system with drowsiness, dizziness, weakness, loss of consciousness, nausea, and headache.

Aspiration hazard

May be fatal if swallowed and enters airways.

12. Ecological Information

Biodegradability

No data available.

Ecotoxicity

Toxicity to fish:

LC50 – *Oncorhynchus mykiss* – 9.2 mg/l – 96 h (Petroleum Naphtha, Light Aromatic)

LC50 – *Pimephales promelas* (fathead minnow) – 0.702 mg/l – 96 h (1-Methyl-4-(1-Methylethenyl)-Cyclohexane)

LC50 – *Lepomis macrochirus* (bluegill) – 1.0 mg/l - 96 h (Nonylphenol Ethoxylates)

LC50 – *Pimephales promelas* (fathead minnow) - > 10,000 mg/l – 96 h (Glycol Ether DPM)

Toxicity to aquatic invertebrates:

EC50 – *Daphnia pulex* (water flea) – 69.6 mg/l – 48 h (1-Methyl-4-(1-Methylethenyl)-Cyclohexane)

EC50 – *Daphnia magna* (water flea) – 12.2-17.0 mg/l - 48 h (Nonylphenol Ethoxylates)

EC50 – *Daphnia magna* (water flea) – 1919 mg/l - 48 h (Glycol Ether DPM)

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

13. Disposal Considerations

Waste Disposal

Dispose of in a permitted hazardous waste management facility following all local, state, and federal regulations.

RCRA

No component of this product is listed as a hazardous waste.



14. Transportation

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

US DOT 49 CFR 172.101	Non-bulk Shipments (Drums/Totes)	Bulk Shipments (Tank Trucks/Rail Cars)
Proper Shipping Name	Combustible Liquid, N.O.S. (Naphtha Solvent, Terpene)	Same
Hazard Class	Not applicable	Same
Identification Number	NA1993	Same
Packing Group	III	Same
Reportable Quantities	Not applicable	Same
Placards/Labels	None required	Same

15. Regulatory Information

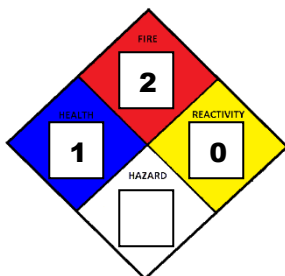
CERCLA / SARA Emergency Reporting	A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements. Consult counsel for further guidance on your responsibilities under these laws. No component requires reporting
SARA Title III Section 313	This product is known to contain the following chemicals which are listed in 40 CFR 372.65 as toxic chemicals requiring notification. This information must be included in all SDS's that are copied and distributed for this product. No component listed
Clean Water Act (CWA) Section 311	The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA. No component requires reporting
TSCA – Toxic Substances Control Act	All components of this product are listed as “Active” on the Toxic Substances Control Act (TSCA) 8(b) Inventory. Except for Glycol Ether DPM CAS – 34950-94-8.
RCRA – Resource Conservation and Recovery Act	The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA's four tests for determining hazardous wastes. Note: If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal. No component listed
State Regulations	
Massachusetts	RTK Substances: The following components are listed: Glycol Ether DPM (CAS #34950-94-8)
New Jersey	RTK Substances: The following components are listed: 1-Methyl-4-(1-Methylethenyl)-Cyclohexane (CAS# 5989-27-5), Ethoxylated nonylphenol (CAS #9016-45-9), Glycol Ether DPM (CAS #34950-94-8)
Pennsylvania	RTK Substances: The following components are listed: 1-Methyl-4-(1-Methylethenyl)-Cyclohexane (CAS# 5989-27-5), Ethoxylated nonylphenol (CAS #9016-45-9), Glycol Ether DPM (CAS #34950-94-8)
California	Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer: Naphthalene



16. Other Information

Date of Issue 8/31/2015 | 8/20/2019 -updated TSCA statement, section 15 (RP) | 3/16/2021-updated address, section 1 (ST)

NFPA



HMIS

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PPE	

Caution: NFPA and HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. The customer is responsible for determining the PPE code for this material.

Notice to Reader

The information contained herein is given in good faith, but no warranty, representation, inducement, or license of any kind is made, except that the information is accurate to the best of Wausau Chemical Corporation's knowledge, or is obtained from sources believed by Wausau Chemical Corporation to be reliable and accurate. Wausau Chemical Corporation does not assume any legal responsibility for use or reliance upon the information being furnished. Customers are encouraged to conduct their own tests. Before using any product, read the container label directions, as well as, the Safety Data Sheet.