

PEN-STRIP® NPX

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 Date Prepared: September 25, 2019
 SDS No.: 5070

SECTION 1: IDENTIFICATION

Product name: PEN-STRIP NPX

Recommended use: Paint stripping

Physical Description: Light pink to purple liquid with sharp irritating

Generic Ingredients: Halogenated solvent, organic acid, surfactant, aromatic hydrocarbon, water, wax

Manufacturer:

Penetone Corporation
 125 Kingsland Ave.
 Clifton, NJ 07014
 800-631-1652 or 201-567-3000

Business Contact:

Customer Service
 800-631-1652 x2602 or 2272
 Product Safety
 800-631-1652 x2211 or 2257

Emergency Phone Numbers: PENETONE 201-567-3000 CHEMTREC 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

<p>Physical: not classified</p>	<p>Health: Eye damage: 1 Skin corrosion: 1 Carcinogenicity: 2 Acute toxicity - oral: 4 Specific target organ toxicity - repeated exposure, oral: 2, liver, blood Specific target organ toxicity - single exposure: 3, respiratory system, central nervous system Specific target organ toxicity - repeated exposure, inhalation: 2, central nervous system</p>
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DANGER

Causes Severe Skin Burns and Eye Damage.

Harmful if Swallowed.

May Cause Respiratory Irritation.

May Cause Drowsiness or Dizziness.

Suspected of Causing Cancer.

May Cause Damage to Organs (Liver, Blood) Through Prolonged or Repeated Exposure if Swallowed.

May Cause Damage to Organs (Central Nervous System) Through Prolonged or Repeated Exposure if Inhaled.



<p>Precautions:</p>	
<p><u>Prevention:</u> Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe fumes/mist/vapor/spray. Use only outdoors or in a well ventilated area. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye and face protection. Wash hands and exposed skin thoroughly after handling.</p> <p><u>Response:</u> <i>If exposed or concerned:</i> Get medical advice/attention. <i>If on skin:</i> Take off immediately all contaminated clothing. Rinse skin with water/shower. A mild soap may be used. Wash contaminated clothing before reuse.</p>	<p><i>If in eyes:</i> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <i>If inhaled:</i> Remove person to fresh air and keep comfortable for breathing. <i>If swallowed:</i> Rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor/emergency room/911.</p> <p><u>Storage:</u> Store locked up. Store in a well ventilated place. Keep container tightly closed.</p> <p><u>Disposal:</u> Dispose of contents/container in accordance with local, regional, and national regulations (see Sections 13 and 15 of SDS for disposal and reporting requirements).</p>



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Concentration Wt% (1)
Methylene chloride (dichloromethane)	75-09-2	60-80
Formic acid	64-18-6	15-25
Dodecylbenzene sulfonic acid	27176-87-0	<10
Aromatic petroleum naphtha	64742-94-5	<10
Polyethylene wax	8002-74-2	<10

(1) Exact percentages being withheld under trade secret provision of OHSA HCS 1910.1200(I)

SECTION 4: FIRST-AID MEASURES

General Description of Symptoms & First-Aid Measures

Most likely work-place exposure routes will be *skin contact* or *inhalation*.

For *skin contact*, a tingling or burning sensation might be felt almost immediately. Skin may quickly redden or blister if product is not quickly washed off.

Inhalation exposure may produce varied effects, particularly if exposure occurs above the recommended workplace exposure limits (see SECTION 8). Typical symptoms could include coughing, sneezing, and a tingling or burning sensation in the nose, throat, and lungs.

Note: This product is corrosive to all tissue, and immediate action is required to avoid serious injury or permanent damage to exposed tissue.

Eyes

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center, doctor, physician or other competent medical authority for medical advice. Penetone recommends that after any eye exposure a physician be seen immediately.

Ingestion

If swallowed: Rinse mouth. **DO NOT INDUCE VOMITING.** Immediately call a poison center, doctor, physician or other competent medical authority for medical advice.

Inhalation

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a local Poison Control Center, physician, or other competent medical authority for medical advice.

Skin

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. A mild soap may be used to wash skin. Wash contaminated clothing before reuse. Immediately call a local Poison Control Center, doctor, physician or other competent medical authority for medical advice.

Special Treatment / Other

Possible or probable mucosal damage may contraindicate the use of gastric lavage. Because rapid absorption of methylene chloride may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Exposure may increase "myocardial irritability." Do not administer sympathomimetic drugs unless absolutely necessary. Carboxyhemoglobinemia may aggravate any preexisting condition sensitive to a decrease in available oxygen, such as chronic lung disease, coronary artery disease or anemias.



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SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties

Classification: Non-flammable
Flash Point: None-to-boil, TCC
Autoignition Temperature: not determined
Lower Flammable Limit: not determined **Upper Flammable Limit:** not determined

Specific Hazards

Product has a very low boiling point of around 104°F. Containers can expand and explode under fire conditions due to vapor buildup.

Extinguishing Media

Suitable: SMALL FIRE: Use dry chemical, carbon dioxide (CO₂), water spray or regular foam. LARGE FIRE: water spray, water fog, or foam.

Unsuitable: Do not use solid water stream as this may spread fire.

Protection & Precautions for Firefighters

Protective Equipment & Clothing: Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

Fire Fighting Guidance: Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do it safely. Dike fire control water for later disposal; do not scatter material. Containers can expand and explode under fire conditions due to vapor buildup. Always stay away from containers engulfed in fire.

Hazardous Combustion Products: Smoke, fumes, and oxides of carbon, chlorine, sulfur, hydrogen chloride and traces of phosgene and chlorine.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Land Spill

Stop leak if you can do it safely. For large spills, dike and pump into properly labeled containers for reclamation or disposal. For small spill, soak up with absorbent material and place in properly labeled containers for disposal. Product vapors are heavier than air and will concentrate in low areas. Keep personnel out of low, confined, or poorly ventilated areas. Keep upwind of spill. Ventilate area of leak or spill. Confined space entry procedures may be required.

Water Spill

Product is much denser than water and will sink making recovery difficult. Product contains a surfactant which may cause it to emulsify. Avoid agitation if possible. Product is acidic and will lower the pH of water. Check with local environmental regulatory agencies for reporting requirements.

See SECTION 8 for EXPOSURE CONTROLS and PERSONAL PROTECTION.

SECTION 7: HANDLING & STORAGE

Handling

Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water. Avoid personal contact with any residue. Do not cut, weld, or reuse empty container. Carefully vent off any internal pressure in the drum by opening bung slowly. Keep face away when opening bung.



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Storage

Keep container tightly closed when not in use. Do not store in direct sunlight. Avoid storing above 120°F (49°C). Do not store near oxidizing agents. Do not store in zinc, aluminum, aluminum alloys, or plastic.

SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Personal Protection

Inhalation A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use. Use of an organic vapor mask or respirator is recommended.

Skin Wear chemical resistant gloves such as: rubber, nitrile, neoprene, or latex when skin contact is possible. Protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn depending on how the product is used. PPE should be cleaned thoroughly after each use.

Eyes Penetone recommends always wearing safety glasses as a minimum in any workplace. Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice. Use protective eye and face devices that comply with ANSI Z87.1-1987.

Additional Remarks

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.

Occupational Exposure Limits

Component Name	Source	Value	Type	Notation
Methylene chloride	ACGIH	50 ppm	TWA	A3; BEI
	NIOSH			Ca Appendix C
	OSHA Z2	25 ppm	TWA	see 1910.1052
Formic acid		125 ppm	STEL	
	ACGIH	5 ppm	TWA	
		10 ppm	STEL	
	NIOSH	5 ppm	TWA	
	OSHA	5 ppm	TWA	
Biological Exposure Limits				
Methylene chloride	ACGIH	0.30 mg/l	Urine	End of shift (as soon as possible after exposure ceases)

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: Light pink to purple liquid

Odor: Sharp odor

Odor Threshold: Not determined

pH: Not applicable

Melting Point / Freezing: not determined

Boiling Point / Boiling Point Range: initial about 104°F

Flash Point: None to boiling point, Tag closed cup

Evaporation Rate: about 0.3 (acetone =1)



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Flammability: Not applicable
Lower Flammable Limit: Not determined
Upper Flammable Limit: Not determined
Explosive Properties: Not applicable
Vapor Pressure: 353 mm Hg @ 20°C
Relative Vapor Density: 3
Relative Density: 1.26 at 75°F
Solubility (Water): will emulsify
Partition Coefficient (P_{ow}): Not determined
Auto-ignition temperature: Not determined
Decomposition temperature: Not available
Viscosity: less than 5 centipoise at room temperature

SECTION 10: STABILITY & REACTIVITY

Reactivity

No data available.

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Exposure to elevated temperatures can cause product to decompose. Avoid open flames, welding arcs, or other high temperature sources which induce thermal decomposition. Avoid direct sunlight or ultraviolet sources.

Incompatible Materials

Alkali metals. Aluminum, strong oxidizing agents. Bases, amines, magnesium, strong acids and strong bases, vinyl compounds.

Hazardous Decomposition Products

Smoke, fumes, and oxides of carbon, chlorine, sulfur, hydrogen chloride and traces of phosgene and chlorine when heated and burned.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Summary

This product contains methylene chloride and formic acid. The combination is very corrosive to all tissues. Contact with skin and/or eyes, ingestion, or inhalation of spray mist may be corrosive. Possible effects include severe irritation, burns, and permanent damage to exposed tissues if immediate action is not taken.

Acute Toxicity:

Dermal: LD50 >2,000 mg/kg rat (estimated using additivity formula)

Inhalation: no data available

Oral: LD50 about 1,400 mg/kg rat (estimated using additivity formula)

Skin Corrosion/Irritation

Corrosive to skin, Based upon component data.



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Serious Eye Damage/Irritation

Corrosive to eyes. Based upon component data.

Sensitization - Respiratory or Skin

No data available

Germ Cell Mutagenicity

For methylene chloride: Rat, DNA damage

Specific Target Organ Effects - Single Exposure

May cause respiratory irritation. May cause drowsiness or dizziness.

Specific Target Organ Effects - Repeated or Prolonged Exposure

Inhalation: May cause damage to the central nervous system through prolonged or repeated exposure.

Oral: May cause damage to the liver and blood through prolonged or repeated exposure.

Chronic Toxicity

no data available

Carcinogenicity

For methylene chloride:

Carcinogenicity - rat - inhalation

Tumorigenic: Carcinogenic by RTECS criteria. Endocrin: Tumores

Limited evidence of carcinogenicity in animal studies.

Suspected human carcinogen

ACGIH: Group A3: Confirmed animal carcinogen with unknown relevance to humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure

IARC: Group 2B: Possibly carcinogenic to humans

NTP: Reasonably anticipated to be a human carcinogen

OSHA: OSHA specifically regulated carcinogen

Reproductive/Developmental Toxicity

No data available

Aspiration Hazard

No data available

Other

Methylene chloride is metabolized in the body producing carbon monoxide which increases and sustains carboxyhemoglobin levels in the blood, reducing the oxygen-carrying capacity of the blood. Acts as a simple asphyxiant by displacing air. High air concentrations may produce anesthetic effects, difficulty in breathing, headache, dizziness. Ingestion may cause gastrointestinal discomfort, central nervous system depression, paresthesia, drowsiness, convulsions, conjunctivitis, pulmonary edema. Effects may be delayed. Irregular breathing, stomach/intestinal disorders, nausea, vomiting, increased liver enzymes, weakness.

SECTION 12: ECOLOGICAL INFORMATION

Product Summary

Product contains formic acid and will lower the pH of water. Product would be considered toxic to aquatic organisms. (Acute aquatic toxicity Category 3 by European Union classification).

Ecotoxicity

LC50/EC50 10-100 mg/l (estimated using additivity formula)

Persistence and Degradability

For methylene chloride: Less than 26%, not readily biodegradable (OEC D Test Guideline 301C).



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For formic acid: >90%

Bioaccumulative Potential

Bioaccumulation potential considered low based upon component data.

Mobility in soil

No data available

Other Adverse Effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

Product as received is a listed hazardous RCRA waste. Dispose of contents/container in accordance with all applicable federal, state, and local regulations.

Note: Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Appropriate hazardous waste designation is the responsibility of the user.

SECTION 14: TRANSPORT INFORMATION

ID No.: UN1760
Proper Shipping Name: CORROSIVE LIQUID, N.O.S., (contains dichloromethane and formic acid)
Hazard Class: 8, (6.1)
Packing Group: I
Marine Pollutant: Yes
RQ: 1000 lb MeCl₂
 5000 lb formic
Special Precautions: None

SECTION 15: REGULATORY INFORMATION

TSCA

The ingredients in this product are listed on the TSCA inventory.

RCRA HAZARD CLASS

U080 for methylene chloride and U123 for formic acid. Other categories may apply.

SARA 311/312 REPORTABLE HAZARD CATEGORIES: Immediate (Acute) and Delayed (Chronic) Health

REPORTING REQUIREMENTS (all quantities in pounds)

Component	CAS / 313 Code	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ (1)	Section 313	CAA 112(r) TQ	CWA / OPA
Methylene chloride	75-09-2			1,000	313		
Product RQ for component				1,400 135 gal			
Formic acid	64-18-6			5,000	313		



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Product RQ for component				25,000 2,300 gal			
(1) Releases exceeding the RQ just be reported to the National Response Center, 800-424-8802 and may be subject to state and local reporting.							

NEW JERSEY RIGHT-TO-KNOW INFORMATION

This product contains methylene chloride (CAS# 75-09-2), formic acid (CAS# 64-18-6), dodecylbenzene sulfonic acid (CAS# 27176-87-0), aromatic hydrocarbons (CAS# 64742-94-5), and paraffin wax (CAS# 8002-74-2).

CALIFORNIA PROPOSITION 65 INFORMATION

This product contains a chemical recognized by the state of California to cause cancer: methylene chloride (CAS# 75-09-2).

SCAQMD INFORMATION

Is there a photochemically reactive material present? No
What is the % by volume of photochemically reactive material? 0
What is the VOC content? 0 (methylene chloride is not defined as a VOC)
What is the vapor pressure of VOC's? 0

SECTION 16: OTHER INFORMATION

REVISION SUMMARY

Changes in Section 1 and 2

SUPERSEDES ISSUE DATE

April 1, 2015

HAZARD RATING SYSTEMS:

	<u>HMIS</u>	<u>NFPA</u>
HEALTH	3	3
FLAMMABILITY	0	0
REACTIVITY	0	0
	B	

KEY
4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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