



Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

1. Product Identification

| | |
|---|--|
| Product Information: | 61105, 61106 |
| Product Identifier: | Penetrate HD |
| Recommended Use: | Not Known |
| Manufacturer/Importer/Distributor Information: | NU-CALGON WHOLESALER, INC. 2611 SCHUETZ ROAD ST. LOUIS, MO 63043 800-554-5499 / +/-314-469-7000 |
| Emergency Telephone: | 1-800-424-9300 |
| Restrictions on Use: | None |

2. Hazard(s) identification

Classification

Aerosol, category 3
Aspiration Hazard, category 1
Skin Irritation, category 2
Skin Sensitizer, category 1
Eye Irritation, category 2A
Carcinogenicity, category 2

Label elements

HAZARD PICTOGRAMS



SIGNAL WORD

Danger

GHS HAZARD STATEMENTS

| | |
|------|---|
| H229 | Pressurized container: may burst if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H351 | Suspected of causing cancer. |

GHS PRECAUTIONARY STATEMENTS

Prevention

| | |
|------|--|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P251 | Do not pierce or burn, even after use. |
| P261 | Avoid breathing dust, fumes, gas, mist, vapours, or spray. |
| P264 | Wash thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves, eye protection, face protection, and protective clothing |

Response

| | |
|----------------|--|
| P301+P310+P331 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |

Storage

| | |
|-----------|--|
| P405 | Store locked up. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F. |

Disposal

| | |
|------|--|
| P501 | Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. |
|------|--|

Other Information

None

3. Composition/Information on Ingredients**Mixtures**

| <u>Chemical Identity</u> | <u>CAS Number</u> | <u>Content in Percent (%)*</u> |
|--|-------------------|--------------------------------|
| Distillates (petroleum), Hydrotreated Heavy Naphthenic [<3% DMSO] | 64742-52-5 | 10-30 |
| Distillates, Petroleum, Hydrotreated Light Naphthenic | 64742-53-6 | 10-30 |
| Distillates (Petroleum), Hydrotreated Light | 64742-47-8 | 10-30 |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | 5-10 |
| 1,2,4-trimethylbenzene | 95-63-6 | 3-7 |
| Oils, pine | 8002-09-3 | 3-7 |
| Terpineol | 8000-41-7 | 3-7 |
| 2-Butoxyethanol | 111-76-2 | 1-5 |
| 1,3,5-trimethylbenzene | 108-67-8 | 1-5 |
| sec-Butyl Alcohol | 78-92-2 | 1-5 |
| Carbon Dioxide | 124-38-9 | 0.5-1.5 |
| Diacetone Alcohol | 123-42-2 | 0.5-1.5 |

| | | |
|-----------|----------|---------|
| Cumene | 98-82-8 | 0.1-1.0 |
| Dipentene | 138-86-3 | 0.1-1.0 |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Other components are not hazardous or are below required disclosure limits.

The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention. Wash skin thoroughly with soap and water for several minutes. If irritation occurs, get medical attention. Wash contact area thoroughly with soap and water. Get medical attention if irritation or rash develops or persists. Remove contaminated clothing. Launder clothing before re-use.

EYE CONTACT: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention. Flush eyes with plenty of water for 15 minutes, while holding the eyelids apart. Check victim for contact lenses and remove if present. Get medical attention if irritation persists.

INHALATION: Move to fresh air.

INGESTION: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Keep the victim calm and warm. Do NOT induce vomiting. If conscious, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Get immediate medical attention.

IMPORTANT SYMPTOMS: Suspected of causing cancer. Aspiration hazard: Harmful or fatal if swallowed. May cause severe eye irritation. May cause skin irritation. May cause allergic skin reaction (sensitization.)

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur. Immediate medical attention is required for ingestion.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressurized container may explode when exposed to heat or flame.

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : No data available

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Wear personal protective equipment.

SAFE HANDLING ADVICE: Observe good industrial hygiene practices.

STORAGE: No data available

NFPA 30B: Aerosol Level 3

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>TLV-TWA</u> | <u>TLV-STEL</u> | <u>PEL-TWA</u> | <u>PEL-CEILING</u> |
|---|----------------|-----------------|----------------|--------------------|
| Distillates (petroleum), Hydrotreated Heavy Naphthenic [<3% DMSO] | 5 mg/m3 | N.E. | 500 ppm | N.E. |

| | | | | |
|---|-----------|-----------|----------|------|
| Distillates, Petroleum, Hydrotreated Light Naphthenic | 5 mg/m3 | N.E. | 5 mg/m3 | N.E. |
| Distillates (Petroleum), Hydrotreated Light | 200 mg/m3 | N.E. | N.E. | N.E. |
| Solvent naphtha (petroleum), light arom. | N.E. | N.E. | N.E. | N.E. |
| 1,2,4-trimethylbenzene | 25 ppm | N.E. | N.E. | N.E. |
| Oils, pine | N.E. | N.E. | N.E. | N.E. |
| Terpineol | N.E. | N.E. | N.E. | N.E. |
| 2-Butoxyethanol | 20 ppm | N.E. | 50 ppm | N.E. |
| 1,3,5-trimethylbenzene | 25 ppm | N.E. | N.E. | N.E. |
| sec-Butyl Alcohol | 100 ppm | N.E. | 150 ppm | N.E. |
| Carbon Dioxide | 5,000 ppm | 30000 ppm | 5000 ppm | N.E. |
| Diacetone Alcohol | 50 ppm | N.E. | 50 ppm | N.E. |
| Cumene | 50 ppm | N.E. | 50 ppm | N.E. |
| Dipentene | N.E. | N.E. | N.E. | N.E. |

**Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established**

ENGINEERING CONTROLS: Provide adequate ventilation.

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield. Chemical safety goggles should be worn where contact is possible.

SKIN PROTECTION: Wear impervious gloves to prevent skin contact.

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: General industrial hygiene practice.

9. Physical and Chemical Properties

Appearance:

| | |
|---|--------------------------------|
| Physical State: | Liquid |
| Form: | Spray Aerosol |
| Color: | Red |
| Odor: | Solvent |
| Odor Threshold: | No data available |
| pH: | No data available |
| Freeze Point, °C: | No data available |
| Boiling Point, °C: | 98 |
| Flash Point, °C: | Not applicable to aerosols |
| Flammability (solid, gas): | Non-flammable Aerosol |
| Evaporation Rate: | No data available |
| Combustibility: | Does not Support Combustion |
| Explosive Limits, %: | 0.6 - 10.6 |
| Vapor Pressure @20°C, PSI: | 50 - 60 |
| Relative Vapor Density: | Heavier than Air |
| Relative Density: | 0.878 |
| Solubility in Water: | No data available |
| Partition Coefficient, n-octanol/water: | No data available |
| Auto-Ignition Temperature, °C: | No data available |
| Decomposition temperature, °C: | No data available |
| Kinematic Viscosity: | < 14 mm ² /s or cSt |
| Particle Characteristics: | |
| Size Range, microns (µm): | No data available |
| Percent under 10 microns: | No data available |

10. Stability and Reactivity

REACTIVITY: Not reactive under normal conditions of use.

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Avoid heat or contamination

INCOMPATIBILITY: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: No data available

11. Toxicological Information

Information on Likely Routes of Exposure

SKIN CONTACT EFFECTS: May cause irritation, drying, defatting of the skin and dermatitis. May cause an allergic skin reaction (sensitization) with itching, redness and hives.

EYE CONTACT EFFECTS: Contact may cause severe irritation with redness, tearing and pain.

INHALATION EFFECTS: Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

INGESTION EFFECTS: Aspiration into the lungs during ingestion or vomiting may cause serious lung damage which may be fatal.

The following Chemicals are listed on IARC Monographs on the Evaluation of Carcinogenic Risk to Humans:

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>IARC Listing</u> |
|----------------|--|---------------------|
| 64742-52-5 | Distillates (petroleum), Hydrotreated Heavy Naphthenic [<lt;3% dmso]<="" td=""> <td>IARC Group 1,</td> </lt;3%> | IARC Group 1, |
| 64742-53-6 | Distillates, Petroleum, Hydrotreated Light Naphthenic | IARC Group 1, |
| 98-82-8 | Cumene | IARC Group 2B, |

The following Chemicals are listed on the U.S. National Toxicology Program (NTP) Report on Carcinogens:

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>NTP Listing</u> |
|----------------|---|---|
| 64742-52-5 | Distillates (petroleum), Hydrotreated Heavy Naphthenic [<lt;3% dmso]<="" td=""> <td>NTP Known Human Carcinogen</td> </lt;3%> | NTP Known Human Carcinogen |
| 64742-53-6 | Distillates, Petroleum, Hydrotreated Light Naphthenic | NTP Known Human Carcinogen |
| 98-82-8 | Cumene | NTP Reasonably Anticipated to be Human Carcinogen |

The following Chemicals are listed on U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>OSHA Listing</u> |
|----------------|--|---------------------|
| 64742-52-5 | Distillates (petroleum), Hydrotreated Heavy Naphthenic [<lt;3% dmso]<="" td=""> <td>Present</td> </lt;3%> | Present |
| 64742-53-6 | Distillates, Petroleum, Hydrotreated Light Naphthenic | Present |
| 98-82-8 | Cumene | Present |

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

| | |
|------------------------------|-------------|
| <u>ATE ORAL</u> | 3,723 mg/kg |
| <u>ATE DERMAL</u> | 3,418 mg/kg |
| <u>ATE INHALATION</u> | 144 mg/kg |

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|---|------------------|--------------------|-------------------|
| 64742-52-5 | Distillates (petroleum), Hydrotreated Heavy Naphthenic [<lt;3% dmso]<="" td=""> <td>5,000 mg/kg</td> <td>2,000 mg/kg</td> <td>100 mg/l</td> </lt;3%> | 5,000 mg/kg | 2,000 mg/kg | 100 mg/l |
| 64742-53-6 | Distillates, Petroleum, Hydrotreated Light Naphthenic | 5,000 mg/kg | 5,000 mg/kg | 100 mg/l |
| 64742-47-8 | Distillates (Petroleum), Hydrotreated Light | 5,000 mg/kg | 5000 mg/kg | >100 mg/l |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | 5,000 mg/kg | 6,000 mg/kg | 100 mg/l |
| 95-63-6 | 1,2,4-trimethylbenzene | 6,000 mg/kg | 3,440 mg/kg | 18 mg/L Rat |
| 8002-09-3 | Oils, pine | 5,000 mg/kg | 5,000 mg/kg | 100 mg/l |
| 8000-41-7 | Terpineol | 2,000 mg/kg | 2,000 mg/kg | 100 mg/l |
| 111-76-2 | 2-Butoxyethanol | 500 mg/kg | 1100 mg/kg | 11 mg/l |
| 108-67-8 | 1,3,5-trimethylbenzene | 6,000 mg/kg | 5,000 mg/kg | 100 mg/l |
| 78-92-2 | sec-Butyl Alcohol | 5000 mg/kg | 5000 mg/kg | 100 mg/l |
| 124-38-9 | Carbon Dioxide | 5000 mg/kg | 5000 mg/kg | 100 mg/l |
| 123-42-2 | Diacetone Alcohol | 5000 mg/kg | 5000 mg/kg | 100 mg/l |

| | | | | |
|----------|-----------|-------------|-------------|----------|
| 98-82-8 | Cumene | 2,260 mg/kg | 3,160 mg/kg | 100 mg/l |
| 138-86-3 | Dipentene | 5,000 mg/kg | 5,000 mg/kg | 100 mg/l |

N.I. = No Information

Skin Corrosion & Irritation:**Product:** No data available**Components:**

| | | |
|------------------------|-----------|-------------------------|
| 1,2,4-trimethylbenzene | 95-63-6 | Causes skin irritation. |
| 2-Butoxyethanol | 111-76-2 | Causes skin irritation. |
| Oils, pine | 8002-09-3 | Causes skin irritation. |
| Terpineol | 8000-41-7 | Causes skin irritation. |

Serious Eye Damage & Irritation:**Product:** No data available**Components:**

| | | |
|------------------------|-----------|--------------------------------|
| 1,2,4-trimethylbenzene | 95-63-6 | Causes serious eye irritation. |
| sec-Butyl Alcohol | 78-92-2 | Causes serious eye irritation. |
| Diacetone Alcohol | 123-42-2 | Causes serious eye irritation. |
| 2-Butoxyethanol | 111-76-2 | Causes serious eye irritation. |
| Terpineol | 8000-41-7 | Causes serious eye irritation. |

Respiratory or Skin Sensitization:**Product:** No data available**Components:**

| | | |
|------------|-----------|--------------------------------------|
| Oils, pine | 8002-09-3 | May cause an allergic skin reaction. |
| Dipentene | 138-86-3 | May cause an allergic skin reaction. |

STOT-Single Exposure:**Product:** No data available**STOT-Repeated Exposure:****Product:** No data available**Aspiration Hazard:****Product:** No data available**Components:**

| | | |
|---|------------|---|
| Distillates, Petroleum, Hydrotreated Light Naphthenic | 64742-53-6 | May be fatal if swallowed and enters airways. |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | May be fatal if swallowed and enters airways. |
| Cumene | 98-82-8 | May be fatal if swallowed and enters airways. |
| Distillates (Petroleum), Hydrotreated Light | 64742-47-8 | May be fatal if swallowed and enters airways. |
| Oils, pine | 8002-09-3 | May be fatal if swallowed and enters airways. |

Carcinogenicity:**Product:** No data available**Components:**

| | | |
|--------|---------|-----------------------------|
| Cumene | 98-82-8 | Suspected of causing cancer |
|--------|---------|-----------------------------|

Reproductive Toxicity:**Product:** No data available**Germ Cell Mutagenicity:****Product:** No data available

12. Ecological Information

ECOLOGICAL INFORMATION: No data available

PERSISTENCE: No data available

BIOACCUMULATE: No data available

MOBILITY IN SOIL: No data available

OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.

CONTAMINATED PACKAGING : Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available

DOT

| | |
|------------------------------|-------------------------|
| UN Number: | UN1950 |
| Proper Shipping Name: | AEROSOLS, NON-FLAMMABLE |
| Technical Name: | N/A |
| Hazard Class(es) | |
| Class: | 2.2 |
| Subsidiary Risk | N/A |
| Packing Group: | N/A |

IATA

| | |
|------------------------------|-------------------------|
| UN Number: | UN1950 |
| Proper Shipping Name: | AEROSOLS, NON-FLAMMABLE |
| Technical Name: | N/A |
| Hazard Class(es) | |
| Class: | 2.2 |
| Subsidiary Risk: | N/A |
| Packing Group: | N/A |

IMDG

| | |
|------------------------------|-------------------------|
| UN Number: | UN1950 |
| Proper Shipping Name: | AEROSOLS, NON-FLAMMABLE |
| Technical Name: | N/A |
| Hazard Class(es) | |
| Class: | 2.2 |
| Subsidiary Risk: | N/A |
| Packing Group: | N/A |

The classification shown in this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

15. Regulatory Information

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| Chemical Name | CAS-No. | Wt % |
|------------------------|----------|------|
| 1,2,4-trimethylbenzene | 95-63-6 | 5.90 |
| 2-Butoxyethanol | 111-76-2 | 4.02 |
| sec-Butyl Alcohol | 78-92-2 | 2.03 |
| Cumene | 98-82-8 | 0.20 |

CHEMICAL INVENTORY STATUS:

| | |
|-------------|--|
| TSCA | On or in compliance with the inventory |
| DSL | All ingredients in this product are listed on the DSL or are exempt. |

CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXINS:



WARNING

This product can expose you to Cumene, which is known to the State of California to cause cancer, and Ethylene Glycol which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Cumene | 98-82-8 |
| Ethylene Glycol | 107-21-1 |

16. Other Information

| | |
|-------------------------------|-----------------------|
| Revision Date: | 7/10/2025 |
| Datasheet produced by: | Regulatory Department |

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where the product use and frequency of exposure exceeds that established for the labeled consumer use.

Further Information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the manufacturer's and seller's control. Purchaser and user are responsible for determining the suitability of the product for a particular purpose, adopting precautions for the protection of property and persons, and compliance with all Federal, State, Provincial, and Local laws.