



Safety Data Sheet

1. Identification

Product Information.	1164300
Product Name:	Pettit Neptune HRT - 1643 Red
Recommended Use.	Paints
Uses advised against.	Read label instructions and SDS
Supplier.	Modern Recreational Technologies, Inc. 2220 Highway 70 SE., Suite 100 Hickory, NC 28602 800-728-8258
Emergency telephone number.	Chemtrec: +1-800-424-9300 USA Chemtrec: +1 703-527-3887 ex-USA 24 hrs./day, 7 days/week

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200

Flammable Liquid, category 4
Acute Toxicity, Oral, category 4
Acute Toxicity, Inhalation, category 4
Serious Eye Damage, category 1

GHS Pictograms



Signal Word

Danger

Unknown Acute Toxicity

19.5% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

Combustible liquid.
Harmful if swallowed.
Causes serious eye damage.
Harmful if inhaled.

Precautionary Statements - Prevention.

Keep away from heat, sparks, open flames, hot surfaces. No smoking.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash face and hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, eye protection, face protection

Precautionary Statements - Response.

If swallowed: Call a poison center/doctor if you feel unwell.
If inhaled: Remove person to fresh air and keep comfortable for breathing.

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 or doctor.

Rinse mouth.

In case of fire: Use CO₂ dry chemical or foam to extinguish.

Precautionary Statements - Storage.

Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal.

Dispose of contents in accordance with local, regional, national, international regulations.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>
Cuprous oxide	1317-39-1	25-50
Calcium carbonate (Limestone)	1317-65-3	10-25
Barium Sulfate	7727-43-7	2.5-10
Iron oxide	1309-37-1	2.5-10
Cupric Oxide	1317-38-0	0.1-1.0
Copper (as Cu Dust & Mists)	7440-50-8	0.1-1.0

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid Measures

Description of first-aid measures.

General advice.

Move victim to a safe isolated area. Immediate medical attention is required. Call a poison control center or doctor for treatment advice.

Inhalation.

Move to fresh air. Apply artificial respiration if victim is not breathing. Call a poison control center or doctor for treatment advice.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Call a poison control center or doctor for treatment advice.

Eye contact.

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a poison control center or doctor for treatment advice.

Ingestion.

Do not induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. If swallowed, call a poison control center or doctor immediately.

Symptoms.

See Section 2 and Section 11, Toxicological effects for description of potential symptoms.

Notes to physician.

Treat symptomatically. Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung edema or pneumonia.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.

Use: Dry powder. Alcohol-resistant foam. Carbon dioxide (CO₂). Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

Extinguishing media which shall not be used for safety reasons.

Water may be unsuitable for extinguishing fires.

Special hazards arising from the substance or mixture.

Vapors may travel to areas away from work site before igniting/flashing back to vapor source. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Most vapors are heavier than air. Vapors may spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and flash back. Air/vapor mixtures may explode when ignited. Containers may explode when heated.

Advice for firefighters.

Evacuate personnel to safe areas.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.**Personal precautions.**

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. All equipment used when handling the product must be grounded. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Wear protective gloves/clothing and eye/face protection. Stop all work that requires a naked flame, stop all vehicles, stop all machines and equipment that may cause sparks or flames. Do not breathe vapors or spray mist. Avoid exceeding of the given occupational exposure limits (see section 8). Thoroughly decontaminate all protective equipment after use.

Advice for emergency responders.

Refer to protective measures listed in sections 7 and 8. Use personal protection recommended in Section 8.

Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.**Methods for Containment.**

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Ground and bond containers when transferring material. Take precautionary measures against static discharges. Use personal protective equipment. Remove all sources of ignition.

Methods for cleaning up.

Prevent further leakage or spillage if safe to do so. Keep away from open flames, hot surfaces and sources of ignition. Keep in suitable and closed containers for disposal. All equipment used when handling the product must be grounded. Keep combustibles (wood, paper, oil, etc) away from spilled material. Ventilate the area. Use personal protective equipment as required. Shut off ignition sources; including electrical equipment and flames. Clean contaminated objects and areas thoroughly while observing environmental regulations. Never return spills in original containers for re-use.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.**Advice on safe handling.**

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Wash hands before breaks and immediately after handling the product. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Use according to package label instructions. Ground and bond containers when transferring material.

Hygiene measures.

Handle in accordance with good industrial hygiene and safety practice for diagnostics. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Storage Conditions.

Keep container closed when not in use. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in accordance with local regulations. Keep from freezing. Keep away from food, drink and animal feedingstuffs. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Cuprous oxide	1 mg/m ³	N.E.	N.E.	N.E.
Calcium carbonate (Limestone)	N.E.	N.E.	15 mg/m ³	N.E.
Barium Sulfate	5 mg/m ³	N.E.	15 mg/m ³	N.E.
Iron oxide	5 mg/m ³	N.E.	10 mg/m ³	N.E.
Cupric Oxide	1 mg/m ³	N.E.	N.E.	N.E.
Copper (as Cu Dust & Mists)	0.2 mg/m ³	N.E.	0.1 mg/m ³	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits.

Personal protective equipment.

Eye/Face Protection.

If splashes are likely to occur, wear:. Face-shield. Safety glasses with side-shields. Tightly fitting safety goggles.

Skin and body protection.

Use:. Long sleeved clothing. Protective shoes or boots. Solvent-resistant gloves. Solvent-resistant apron and boots. Wear impervious gloves and/or clothing if needed to prevent contact with the material. Gloves must be inspected prior to use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove and wash contaminated clothing before re-use.

Respiratory protection.

In case of inadequate ventilation wear respiratory protection. If exposure limits are exceeded or irritation is experienced, respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

9. Physical and chemical properties.

Information on basic physical and chemical properties.

Physical state	Liquid
Appearance	No Information
Color	Red
Odor	Hydrocarbon-like
Odor Threshold	No Information
pH	8.5
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	85 (185.00)
Boiling point/boiling range., °C (°F)	100 - 2,567 (212 - 4652.6)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm ³)	1.847
Water solubility.	No Information
Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	

Viscosity, kinematic.

No Information
> 22 mm²/sec**Other information.**

Volatile organic compounds (VOC) content.

35 g/l

Density, lb/gal

15.386

10. Stability and Reactivity**Reactivity.**

Stable under normal conditions.

Chemical stability.

Stable under recommended storage conditions.

Possibility of hazardous reactions.

None under normal processing.

Conditions to Avoid.

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Keep away from heat and sources of ignition. Do not freeze.

Incompatible Materials.

None known based on information supplied.

Hazardous Decomposition Products.

Thermal decomposition can lead to release of irritating gases and vapours. Possible formation of carbon oxides, nitrogen oxides, and hazardous organic compounds.

11. Toxicological Information**Information on toxicological effects.****Acute toxicity.****Product Information**

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 1,486.3 mg/kg

ATEmix (dermal) 6,324.6 mg/kg

ATEmix (inhalation - dust/mist) 4.74 mg/l

Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
1317-39-1	Cuprous oxide	470 mg/kg Rat	>2000 mg/kg Rat	N.I.
1317-38-0	Cupric Oxide	N.I.	>2000 mg/kg Rat	N.I.

N.I. = No Information

Skin corrosion/irritation.

SKIN IRRITANT.

Eye damage/irritation.

Direct eye contact may cause severe irritation or burns. If not immediately removed, may cause permanent eye damage.

Respiratory or skin sensitization.

No Information

Ingestion.

May be harmful if swallowed. Aspiration into lungs may cause pulmonary edema and chemical pneumonitis.

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
1309-37-1	Iron oxide	IARC Group 3	-	-

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information

Toxicity.

27.80% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

<u>Chemical Name</u>	<u>Toxicity to algae</u>	<u>Toxicity to fish</u>	<u>Toxicity to daphnia and other aquatic invertebrates</u>
Cuprous oxide 1317-39-1	EC50 96 h Desmodemus subspicatus 65 mg/L, EC50 96 h Pseudokirchneriella subcapitata 0.021 - 0.037 mg/L, EC50 96 h Pseudokirchneriella subcapitata 0.055 - 0.076 mg/L	-	EC50 48 h Daphnia magna 0.51 mg/L
Iron oxide 1309-37-1	-	LC50 96 h Danio rerio 100000 mg/L	-
Copper (as Cu Dust & Mists) 7440-50-8	EC50 72 h Pseudokirchneriella subcapitata 0.0426 - 0.0535 mg/L, EC50 96 h Pseudokirchneriella subcapitata 0.031 - 0.054 mg/L	LC50 96 h Pimephales promelas 0.0068 - 0.0156 mg/L, LC50 96 h Pimephales promelas <0.3 mg/L, LC50 96 h Pimephales promelas 0.2 mg/L, LC50 96 h Oncorhynchus mykiss 0.052 mg/L, LC50 96 h Lepomis macrochirus 1.25 mg/L, LC50 96 h Cyprinus carpio 0.3 mg/L, LC50 96 h Cyprinus carpio 0.8 mg/L, LC50 96 h Poecilia reticulata 0.112 mg/L	EC50 48 h Daphnia magna 0.03 mg/L

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations

Waste Disposal Guidance.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes can not be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT

Shipping Name: Combustible Liquid, n.o.s (Cuprous oxide, Calcium carbonate)
Hazard Class: Comb liq.
Packing Group: III
Additional Information: EXCEPTION: As per 49 CFR 173.120(b)(2), a flammable liquid with a flashpoint at or above 38°C or 100°F may be reclassified as a combustible liquid for transportation within the U.S. by motor vehicle or rail only. A Combustible Liquid in a non-bulk packaging (less than 450L or 119 gallons) is not subject to any of the HazMat regulations unless it is a hazardous substance, hazardous waste, or a marine pollutant [49 CFR 173.150(f)(1)(2)].

IMDG

No Information

Additional Information: Not regulated

IATA

No Information

Additional Information: Not regulated

15. Regulatory Information

International Inventories:

TSCA Complies
 DSL -
 DSL/NDSL Complies
 EINECS/ELINCS -
 ENCS -
 IECSC -
 KECI -
 PICCS -
 AIIC -
 NZIoC -

TCSI

TSCA United States Toxic Substances Control Act Section 8(b) Inventory.
 DSL Canadian Domestic Substances List.
 DSL/NDSL Canadian Domestic Substances List/Canadian Non-Domestic Substances List
 EINECS/ELINCS European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
 ENCS Japan Existing and New Chemical Substances.
 IECSC China Inventory of Existing Chemical Substances.
 KECL Korean Existing and Evaluated Chemical Substances.
 PICCS Philippines Inventory of Chemicals and Chemical Substances.
 AIIC Australian Inventory of Chemical Substances.
 NZIoC New Zealand Inventory of Chemicals.
 TCSI Taiwan Chemical Substance Inventory

U.S. Federal Regulations:

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: .

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Weight Percent</u>
Cuprous oxide	1317-39-1	25-50
Barium Sulfate	7727-43-7	2.5-10

TOXIC SUBSTANCES CONTROL ACT 12(b):

This product does not contain any chemicals that are subject to the reporting requirements of TSCA 12(b).

U.S. EPA PESTICIDE INFORMATION

EPA Pesticide Registration Number: 60061-142

EPA STATEMENT: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA PESTICIDE LABEL: WARNING. Causes eye irritation. Harmful if absorbed through the skin. May be fatal if swallowed or inhaled.

ADDITIONAL INFORMATION

Additional Information - Sxn 15: No Information

CALIFORNIA PROPOSITION 65 CARCINOGENS



WARNING

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS-No.</u>
Crystalline silica (Quartz) (Respirable)	14808-60-7
Formaldehyde	50-00-0
Ethene, chloro- (Vinyl Chloride)	75-01-4

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

NOTICE

Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimis exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

16. Other Information

Revision Date: 9/27/2023 **Supersedes Date:** 4/24/2023

Reason for revision: Product Composition Changed
Substance and/or Product Properties Changed in Section(s):
02 - Hazards Identification
08 - Exposure Controls/Personal Protection
09 - Physical & Chemical Information
14 - Transportation Information
15 - Regulatory Information
16 - Other Information
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	2*	Flammability:	2	Physical Hazard:	0	Personal Protection:	X
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NFPA Ratings:

Health:	2	Flammability:	2	Instability:	0	Physical & Chemical:	--
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.