

1. IDENTIFICATION

Product identifier

Product Name Penetrating Stain Pickling White

Other means of identification

Product Code 41416
SKU(s) 41401, 41404, 41416

Recommended use of the chemical and restrictions on use

Recommended Use No information available.
Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address
Old Masters
303 19th St. SE
Orange City, IA 51041
Phone: 712-737-4993
Fax: 712-737-4997

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|------------------------|-------------|
| Skin sensitization | Category 1 |
| Germ cell mutagenicity | Category 1B |
| Carcinogenicity | Category 1B |
| Aspiration toxicity | Category 1 |
| Flammable liquids | Category 3 |

Emergency Overview

Danger

Hazard statements

May cause an allergic skin reaction
May cause genetic defects
May cause cancer
May be fatal if swallowed and enters airways
Flammable liquid and vapor



Inhalation Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

Ingestion Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Flammable.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

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 Remove all sources of ignition. Use personal protective equipment as required.

Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Cover liquid spill with sand, earth or other non-combustible absorbent material. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials Chlorinated compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------------|-------------------------------|--|---|
| Titanium dioxide 13463-67-7 | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust | IDLH: 5000 mg/m ³ |
| Xylene 1330-20-7 | STEL: 150 ppm TWA: 100 ppm | TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³ | - |
| Ethyl Benzene 100-41-4 | TWA: 20 ppm | TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m ³ | IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³ |

NIOSH IDLH *Immediately Dangerous to Life or Health*

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special technical protective measures are necessary.

Skin and body protection No special technical protective measures are necessary.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------------|-----------------------|--------------------------|
| Physical state | Liquid | Odor | No information available |
| Appearance | No information available | Odor threshold | No information available |
| Color | No information available | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------|--------------------------|-------------------------|
| pH | No information available | |
| Melting point / freezing point | No information available | |
| Boiling point / boiling range | >= 80 °C / 176 °F | |
| Flash point | 39 °C / 102 °F | |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | No information available | |

| | |
|-------------------------------------|--------------------------|
| Lower flammability limit: | No information available |
| Vapor pressure | No information available |
| Vapor density | No information available |
| Specific Gravity | 1.02 |
| Water solubility | No information available |
| Solubility in other solvents | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Kinematic viscosity | No information available |
| Dynamic viscosity | No information available |
| Explosive properties | No information available |
| Oxidizing properties | No information available |

Other Information

| | |
|-----------------------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| Liquid Density | 8.47 lbs/gal |
| Bulk density | No information available |
| Percent solids by weight | 45.8% |
| Percent volatile by weight | 54.0% |
| Percent solids by volume | 30.2% |
| Actual VOC (lbs/gal) | 4.6 |
| Actual VOC (grams/liter) | 548 |
| EPA VOC (lbs/gal) | 4.6 |
| EPA VOC (grams/liter) | 548.9 |
| EPA VOC (lb/gal solids) | 15.1 |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Chlorinated compounds.

Hazardous decomposition products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--------------------|
| Product Information | No data available |
| Inhalation | No data available. |
| Eye contact | No data available. |
| Skin Contact | No data available. |

Ingestion No data available.

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|-----------------------|---|---|
| Mineral Spirits (Rule 66) 64742-47-8 | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 5.2 mg/L (Rat) 4 h |
| Titanium dioxide 13463-67-7 | > 10000 mg/kg (Rat) | - | - |
| Solvent Naphtha, Medium Aliphatic 64742-88-7 | > 25 mL/kg (Rat) | > 3000 mg/kg (Rabbit) | > 13 mg/L (Rat) 4 h |
| Xylene 1330-20-7 | = 3500 mg/kg (Rat) | > 4350 mg/kg (Rabbit) > 1700 mg/kg (Rabbit) | = 5000 ppm (Rat) 4 h = 29.08 mg/L (Rat) 4 h |
| Methyl Ethyl Ketoxime 96-29-7 | = 930 mg/kg (Rat) | 1000 - 1800 mg/kg (Rabbit) | > 4800 mg/m ³ (Rat) 4 h |
| Ethyl Benzene 100-41-4 | = 3500 mg/kg (Rat) | = 15400 mg/kg (Rabbit) | = 17.4 mg/L (Rat) 4 h |
| Mineral Spirits 64742-48-9 | > 6000 mg/kg (Rat) | > 3160 mg/kg (Rabbit) | > 8500 mg/m ³ (Rat) 4 h |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|--------------------------------|-------|----------|-----|------|
| Titanium dioxide 13463-67-7 | - | Group 2B | - | X |
| Xylene 1330-20-7 | - | Group 3 | - | - |
| Ethyl Benzene 100-41-4 | A3 | Group 2B | - | X |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as a human carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic toxicity

Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory system, thyroid, testicles, and pituitary glands.

Target organ effects Lungs, Respiratory system.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

12. ECOLOGICAL INFORMATION**Ecotoxicity**

19.54% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|---|----------------------|---|--|
| Mineral Spirits (Rule 66) 64742-47-8 | - | 45: 96 h Pimephales promelas mg/L LC50 flow-through 2.4: 96 h Oncorhynchus mykiss mg/L LC50 | 4720: 96 h Den-dronereides heteropoda mg/L LC50 |

| | | | |
|---|--|---|--|
| | | static 2.2: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static | |
| Solvent Naphtha, Medium Aliphatic 64742-88-7 | 450: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 | 800: 96 h <i>Pimephales promelas</i> mg/L LC50 static | 100: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Xylene 1330-20-7 | - | 13.4: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 13.5 - 17.3: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 23.53 - 29.97: 96 h <i>Pimephales promelas</i> mg/L LC50 static 2.661 - 4.093: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 780: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static 780: 96 h <i>Cyprinus carpio</i> mg/L LC50 30.26 - 40.75: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 19: 96 h <i>Lepomis macrochirus</i> mg/L LC50 7.711 - 9.591: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 13.1 - 16.5: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through | 3.82: 48 h water flea mg/L EC50 0.6: 48 h <i>Gammarus lacustris</i> mg/L LC50 |
| Methyl Ethyl Ketoxime 96-29-7 | 83: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 777 - 914: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 760: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 320 - 1000: 96 h <i>Leuciscus idus</i> mg/L LC50 static | 750: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Ethyl Benzene 100-41-4 | 4.6: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 2.6 - 11.3: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 1.7 - 7.6: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 438: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 | 11.0 - 18.0: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 7.55 - 11: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 4.2: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static 32: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 9.6: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 9.1 - 15.6: 96 h <i>Pimephales promelas</i> mg/L LC50 static | 1.8 - 2.4: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Mineral Spirits 64742-48-9 | - | 2200: 96 h <i>Pimephales promelas</i> mg/L LC50 | 2.6: 96 h <i>Chaetogammarus marinus</i> mg/L LC50 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical name | Partition coefficient |
|----------------------------------|-----------------------|
| Xylene 1330-20-7 | 3.15 |
| Methyl Ethyl Ketoxime 96-29-7 | 0.65 |
| Ethyl Benzene 100-41-4 | 3.2 |

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

US EPA Waste Number

D001 U220 U239 U019 U055

| Chemical name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---------------|------|--------------------------|------------------------|------------------------|
|---------------|------|--------------------------|------------------------|------------------------|

| | | | | |
|---------------------------|---|-----------------------------------|---|------|
| Xylene 1330-20-7 | - | Included in waste stream: F039 | - | U239 |
| Ethyl Benzene 100-41-4 | - | Included in waste stream: F039 | - | - |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical name | California Hazardous Waste Status |
|---------------------------|-----------------------------------|
| Xylene 1330-20-7 | Toxic Ignitable |
| Ethyl Benzene 100-41-4 | Toxic Ignitable |

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

15. REGULATORY INFORMATION

International Inventories

| | |
|----------------------|-------------------|
| TSCA | Complies |
| DSL/NDSL | Complies * |
| EINECS/ELINCS | Complies * |
| ENCS | Does not comply * |
| IECSC | Complies * |
| KECL | Does not comply * |
| PICCS | Does not comply * |
| AICS | Does not comply * |

* This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/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
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name | SARA 313 - Threshold Values % |
|---------------|-------------------------------|
| Xylene | 1.0 |
| Ethyl Benzene | 0.1 |

SARA 311/312 Hazard Categories

Acute health hazard

Yes

| | |
|-----------------------------------|-----|
| Chronic Health Hazard | No |
| Fire hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Xylene 1330-20-7 | 100 lb | - | - | X |
| Ethyl Benzene 100-41-4 | 1000 lb | X | X | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------------|--------------------------|----------------|---|
| Xylene 1330-20-7 | 100 lb | - | RQ 100 lb final RQ RQ 45.4 kg final RQ |
| Ethyl Benzene 100-41-4 | 1000 lb | - | RQ 1000 lb final RQ RQ 454 kg final RQ |

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical name | California Proposition 65 |
|--|--|
| Titanium dioxide - 13463-67-7 | Carcinogen |
| Ethyl Benzene - 100-41-4 | Carcinogen |
| Crystalline Silica - 14808-60-7 | Carcinogen |
| Benzene(including benzene from gasoline) - 71-43-2 | Carcinogen Developmental Male Reproductive |
| Cumene - 98-82-8 | Carcinogen |
| Toluene - 108-88-3 | Developmental |

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts |
|--------------------------------|------------|---------------|
| Titanium dioxide 13463-67-7 | X | X |
| Xylene 1330-20-7 | X | X |
| Ethyl Benzene 100-41-4 | X | X |

| Chemical name | Pennsylvania |
|--------------------------------|--------------|
| Titanium dioxide 13463-67-7 | X |
| Xylene 1330-20-7 | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Hazardous air pollutants (HAPS) content

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants' (present individually at 1% by weight, or greater):

| Chemical name | Weight % of HAPS in Product | Pounds HAPS / Gal Product |
|---------------------|-----------------------------|---------------------------|
| Xylene 1330-20-7 | 1.08% | 0.09 |

| |
|--|
| 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION |
|--|

| | | | | |
|-----------------------------------|----------------------------------|----------------|--------------------|------------------------------------|
| NFPA | Health hazards 2 | Flammability 2 | Instability 0 | Physical and chemical properties - |
| HMIS | Health hazards 2 * | Flammability 2 | Physical hazards 0 | Personal protection X |
| <i>Chronic Hazard Star Legend</i> | <i>* = Chronic Health Hazard</i> | | | |

Revision Date 10-Dec-2019

Revision Note

No information available

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

End of Safety Data Sheet