

SDS

Safety Data Sheet

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.



TRADE NAME: PS 418

DATE: 1/25/2018

PAGE 1

(1) PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: **PS 418**

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

Organic Deposit Removal

Details of the supplier of the safety data sheet Manufacturer/Supplier

Performance Chemical Company
9105 W Interstate 20
Midland, TX 79706

Telephone
(432) 332-3059

United States of America

- Emergency telephone number:
- CHEM-TEL, INC. 1-800-255-3924

(2) HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Signal Word
DANGER



GHS02 GHS08 GHS07

HAZARD STATEMENTS

H226: Flammable liquid and vapour

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H305: May be harmful if swallowed and enters airways

PRECAUTIONARY STATEMENTS

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P233: Keep container tightly closed

P240: Ground/bond container and receiving equipment

P280: Wear protective gloves/protective clothing/eye protection/face protection

P264: Wash hands and exposed skin thoroughly after handling

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P337+313: If eye irritation persists get medical advice/attention

P302+352: IF ON SKIN: Wash with soap and water

P332+313: If skin irritation occurs: Get medical advice/attention

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331: Do NOT induce vomiting

H400: Very toxic to aquatic life.

:

TRADE NAME:

DATE:

PAGE 1

SDS

Safety Data Sheet

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.



TRADE NAME: PS 418

DATE: 1/25/2018

PAGE 2

HAZARD STATEMENTS

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CLASSIFICATION SYSTEM: NFPA/HMIS DEFINITIONS: 0-LEAST, 1-SLIGHT, 2-MODERATE, 3-MODERATE, 3-HIGH, 4-EXTREME

NFPA Ratings (scale 0-4)



HEALTH = 1
FIRE = 2
REACTIVITY = 1

HMIS Ratings (scale 0-4)

HEALTH	1	HEALTH =	1
FIRE	2	FIRE =	2
REACTIVITY	1	REACTIVITY =	1

OTHER HAZARDS

RESULTS OF PBT AND VPVB ASSESSMENT

PBT: Not classified

vPvB: Not classified

(3) COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION: MIXTURES

DESCRIPTION: MIXTURE OF THE SUBSTANCES LISTED BELOW WITH NONHAZARDOUS ADDITIONS.

CAS #	MATERIAL	%
Trade Secret	Proprietary Material	> 99

(4) FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If symptoms persist, obtain medical attention.

TRADE NAME:

DATE:

PAGE 2

SDS

Safety Data Sheet

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.



TRADE NAME: PS 418

DATE: 1/25/2018

PAGE 3

SKIN: Wash affected skin with plenty of water. Remove contaminated clothing immediately. If irritation (redness, rash, blistering) develops, get medical attention.

EYES: Remove any contact lenses. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

INGESTION: Call a physician (or poison control centre immediately). Do NOT induce vomiting. Do not give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

None

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None

(5) FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING AGENTS: Extinguish with water spray, dry chemical, sand or carbon dioxide.

FOR SAFETY REASONS UNSUITABLE EXTINGUISHING AGENTS: None anticipated.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: Carbon oxides

- ADVICE FOR FIREFIGHTERS

PROTECTIVE EQUIPMENTS: Fire fighters should wear complete protective clothing including self contained breathing apparatus.

(6) ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Eliminate sources of ignition. Wear protective gloves/protective clothing/eye protection/face protection. Ensure adequate ventilation to remove vapours, fumes, dust etc. Avoid breathing vapours.

ENVIRONMENTAL PRECAUTIONS: Contain spillages with sand, earth or any suitable adsorbent material. Do not allow to enter drains, sewers or watercourses.

METHOD AND MATERIAL FOR CONTAINMENT AND CLEANING UP: Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

REFERENCE TO OTHER SECTIONS

SEE SECTION 7 FOR INFORMATION ON SAFE HANDLING.

SEE SECTION 8 FOR INFORMATION ON PERSONAL PROTECTION EQUIPMENT.

SEE SECTION 13 FOR DISPOSAL INFORMATION

(7) HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact with skin, eyes or clothing. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing vapours. Ensure adequate ventilation to remove vapours, fumes, dust etc.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep container tightly closed and in a well-ventilated place. Storage life: 2 Year(s) @ Ambient temperatures. Keep away from oxidizing agents.

SPECIFIC END USE(S):

Organic Deposit Removal

(8) EXPOSURE CONTROLS/PERSONAL PROTECTION

- OCCUPATIONAL EXPOSURE LIMITS

TRADE NAME:

DATE: 8/25/2015

PAGE 3

SDS

Safety Data Sheet

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.



TRADE NAME: PS 418

DATE: 1/25/2018

PAGE 4

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:

None

PERSONAL PROTECTIVE EQUIPMENT:

Wear protective eyewear (goggles, face shield, or safety glasses).

BREATHING EQUIPMENT:

In case of inadequate ventilation wear respiratory protection. Air purifying respirator with combination organic vapour cartridge and dust/mist pre-filter may be sufficient. Check with protective equipment manufacturer's data.

PROTECTION OF HANDS:

Gloves (PVC, Neoprene, or Natural rubber). Use gloves only once. Check with protective equipment manufacturer's data.

EYE PROTECTION:

Wear protective eyewear (goggles, face shield, or safety glasses).

(9) PHYSICAL AND CHEMICAL PROPERTIES

- INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION < means less than > means greater than

- APPEARANCE

FORM: Liquid

COLOR: Colourless to pale yellow

ODOR: Pine

ODOUR THRESHOLD: no data available

PH-VALUE @ °20 C (68 °F): Not available

- CHANGE IN CONDITION

FREEZE POINT: -60°C (-76°F)

MELTING POINT/MELTING RANGE: -80 °C (-112 °F)

BOILING POINT/BOILING RANGE: 173 °C (343 °F)

FLASH POINT: 44°C(112°F)

FLAMMABILITY (SOILD, GASEOUS): not applicable

IGNITION TEMPERATURE: no data available

DECOMPOSITION TEMPERATURE: no data available

AUTO IGNITING: ~233 °C (451 °F)

DANGER OF EXPLOSION: no data available

- EXPLOSION LIMITS

UPPER: no data available

LOWER: no data available

VAPOUR PRESSURE @ °20 C (68 °F): no data available

DENSITY @ °20 C (68 °F): 0.86 (7.18 lbs/gallon)

RELATIVE DENSITY: no data available

VAPOUR DENSITY: no data available

EVAPORATION RATE: no data available

- SOLUBILITY IN / MISCIBILITY WITH

WATER: Immiscible

PARTITION COEFFICIENT (N-OCTANOL/WATER): no data available

- VISCOSITY

DYNAMIC @ °20 C (68 °F): no data available

KINEMATIC: ~ 1.6

TRADE NAME:

DATE:

PAGE 4

SDS

Safety Data Sheet

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.



TRADE NAME: PS 418

DATE: 1/25/2018

PAGE 5

- SOLVENT CONTENT

ORGANIC SOLVENTS: no data available
WATER: no data available
VOC CONTENT: no data available
SOLID CONTENT: no data available
OTHER INFORMATION: Miscible with: ethanol

(10) STABILITY AND REACTIVITY

REACTIVITY: Reactivity Stable under normal conditions.

CHEMICAL STABILITY: Stable.

THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED: No data available

POSSIBILITY OF HAZARDOUS REACTIONS: None anticipated.

CONDITIONS TO AVOID: Incompatible materials.

INCOMPATIBLE MATERIALS: Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Carbon dioxide, Sulfur oxides

(11) TOXICOLOGICAL INFORMATION

- INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:

LD/LC50 VALUES THAT ARE RELEVANT FOR CLASSIFICATION

Acute Toxicity	Proprietary Material	Oral	LD50	>2000 mg/kg rat	
		Dermal	LD50	>2000 ml/kg rat	24 hour(s)

- PRIMARY IRRITANT EFFECT

ON THE SKIN:

Causes skin irritation.

ON THE EYE:

Causes serious eye irritation.

SENSITIZATION:

no data available

ADDITIONAL TOXICOLOGICAL INFORMATION:

no data available

- CARCINOGENIC CATEGORIES

IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER): None of the ingredients is listed.

NTP (NATIONAL TOXICOLOGY PROGRAM): None of the ingredients is listed.

(12) ECOLOGICAL INFORMATION

- TOXICITY

AQUATIC TOXICITY:

TRADE NAME:

DATE:

PAGE 5

SDS

Safety Data Sheet

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.



TRADE NAME: PS 418

DATE: 1/25/2018

PAGE 6

Acute Toxicity

LC50(96 hour): 5.07 mg/l (Zebra finch; Danio rerio)

EL50 (48 hour): 2.7 mg/l (Daphnia magna)

Er50 (72 hour): 4.8 mg/l (Pseudokirchnerella subcapitata)

PERSISTENCE AND DEGRADABILITY:

Readily biodegradable.

BIOACCUMULATIVE POTENTIAL:

The product has no potential for bioaccumulation.

MOBILITY IN SOIL:

no data available

- RESULTS OF PBT AND VPVB ASSESSMENT

PBT:

Assessment not available as chemical safety assessment not required/not conducted.

VPVB:

Assessment not available as chemical safety assessment not required/not conducted.

OTHER ADVERSE EFFECTS:

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

(13) DISPOSAL CONSIDERATIONS

- WASTE TREATMENT METHODS:

RECOMMENDATION:

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

(14) TRANSPORT INFORMATION

- UN-NUMBER

DOT: NA1993

ADR: UN2052

IMDG: UN2319

IATA: UN2319

- UN PROPER SHIPPING NAME

DOT: COMBUSTIBLE LIQUID, N.O.S. (Contains: Terpenes)

ADR: FLAMMABLE LIQUID, N.O.S. (Terpene hydrocarbons)

IMDG: Terpene hydrocarbons, n.o.s.

IATA: Terpene hydrocarbons, n.o.s.

- TRANSPORT HAZARD CLASS(ES)

DOT: 3 Flammable liquids.

ADR: 3 Flammable liquids.

IMDG: 3 Flammable liquids.

IATA: 3 Flammable liquids.

- PACKING GROUP

DOT: III

ADR: III

TRADE NAME:

DATE:

PAGE 6

SDS

Safety Data Sheet

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.



TRADE NAME: PS 418

DATE: 1/25/2018

PAGE 7

IMDG: III

IATA: III

ENVIRONMENTAL HAZARDS: N/A

MARINE POLLUTANT: Yes

SPECIAL PRECAUTIONS FOR USER: N/A

DANGER CODE (KEMLER): N/A

EMS NUMBER: F-E, S-E

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE: N/A

*Reclassified as a "combustible liquid according to 49 CFR 173.120 (b)(2). Not regulated for ground shipments in the U.S. in non-bulk packaging (<119 gallons).

UN MODEL REGULATION: UN2052, Flammable Liquid, n.o.s. (Terpene hydrocarbons) Class 3, PG III

(15) REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- SARA

SECTION 355 (EXTREMELY HAZARDOUS SUBSTANCES):

None of the ingredients is listed.

SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS):

None of the ingredients is listed.

TSCA (TOXIC SUBSTANCES CONTROL ACT):

None of the ingredients is listed.

(16) OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• Abbreviations and acronym

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

* Data compared to the previous version altered

TRADE NAME:

DATE:

PAGE 7