

1. IDENTIFICATION

Product Identifier

Product Name VIPER

Recommended use of the chemical and restrictions on use

Recommended use Cleaner – vehicle exterior
Restrictions on use For industrial use only

Supplier details

West Penetone Inc.
11411-160 Street
Edmonton, AB,
T5M3T7
Tel: 780-454-3919

Emergency Telephone Number

Canutec (613)-996-6666

2. HAZARDS IDENTIFICATION

Classification

| | |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
|-----------------------------------|-------------|

| | |
|--|------------|
| Hazardous to the aquatic environment, acute hazard | Category 3 |
|--|------------|

Label Elements

WARNING

Hazard Statements

Causes serious eye irritation
Harmful to aquatic life



Precautionary Statements - Prevention

Wash face and hands thoroughly after handling.
Wear eye protection/face protection.
Avoid release to the environment.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % |
|---|------------|----------|
| diethylene glycol monobutyl ether | 112-34-5 | 5-10 |
| monoisopropanolamide alkoxyate | 64175-88-8 | 3-7 |
| tetrasodium ethylenediaminetetraacetate | 64-02-8 | 3-7 |
| PEG 15 cocomonium chloride | 61791-10-4 | 1-5 |
| sodium metasilicate | 6834-92-0 | 1-5 |

4. FIRST AID MEASURES

| | |
|---------------------|--|
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention. |
| Skin contact | Wash with plenty of water. If skin irritation occurs: get medical advice/attention. |
| Inhalation | If difficulties occur after mist/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel concerned or unwell. |
| Ingestion | Rinse mouth. Remove person to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed by medical personnel. Call a POISON CENTER or doctor/physician if you feel concerned or unwell. |

Most important symptoms and effects, both acute and delayed

Contact with eyes may cause irritation, discomfort or pain, excess blinking, tear production with marked excess redness and swelling of the conjunctiva, and possible corneal injury.

Indication of any immediate medical attention and special treatment needed

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

None.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed including oxides of carbon, nitrogen, and silicon and other irritating gases.

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

Avoid contact with eyes. Use personal protective equipment.

Environmental Precautions

Avoid discharge into drains/surface waters/groundwater. Prevent further leakage or spillage, if safe to do so.

Methods and material for containment and cleaning up

Flush area with plenty water. For large spills, stop flow of material, prevent product from entering drains, and pump off product where this is without risk and possible. Proceed as above.

7. HANDLING AND STORAGE

Precautions for Safe Handling

| | |
|-----------------|---------------------|
| Handling | Avoid contact eyes. |
|-----------------|---------------------|

Conditions for safe storage, including any incompatibilities

| | |
|----------------|---------------------|
| Storage | Keep from freezing. |
|----------------|---------------------|

| | |
|-------------------------------|---------------|
| Incompatible Materials | Strong acids. |
|-------------------------------|---------------|

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---------------|---------------|
| diethylene glycol monobutyl ether 112-34-5 | TWA: 10 ppm (inhalable fraction/vapor) | Not available | Not available |
| sodium metasilicate 6834-92-0 | TWA: 2 mg/m ³ | Not available | Not available |

Appropriate engineering controls

Engineering Controls

Under the intended modes of use, exposure control measures are not required.

Individual protection measures, such as personal protective equipment

Eye/face Protection

Under the intended modes of use, eye or face protection not normally required.

Skin and body protection

Under the intended modes of use, skin or body protection not normally required.

Respiratory Protection

Under the intended modes of use, personal respiratory equipment not normally required.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :

Clear, yellow liquid

ODOR

Lemon

ODOR THRESHOLD :

Not applicable

pH :

12.0-13.0

MELTING POINT / FREEZING POINT :

Approx. 0°C

BOILING POINT/BOILING RANGE :

Approx. 100°C

FLASH POINT :

None

EVAPORATION RATE, water = 1 :

1

FLAMMABILITY (SOLID, GAS):

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C :

Not applicable

VAPOR DENSITY (Air = 1) :

Not applicable

RELATIVE DENSITY AT 20°C:

1.060-1.065

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

None

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not available

FLAMMABLE LIMITS :

UPPER: Not applicable LOWER : Not applicable

10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid

Keep from freezing.

Incompatible Materials

Strong acids.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decompositions can lead to release of irritating gases and vapors such as oxides of carbon, nitrogen, and silicon as well as other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION**Acute toxicity****ATE_{mix}** – LD50 oral – approx. ≥ 7267 mg/kg (rat), LD50 dermal – approx. ≥ 29315 mg/kg (rat), inhalation-mist – approx. >10 mg/L – 4 h (rat)

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|--|-------------------------------|-------------------------|---------------------------------|
| diethylene glycol monobutyl ether 112-34-5 | 2410 mg/kg (mouse) | 2764 mg/kg (rabbit) | >2.1 mg/L (rat) – 4 h |
| monoisopropanolamide alkoxylate 64175-88-8 | 2500 mg/kg (rat) | Not listed | Not listed |
| tetrasodium ethylenediaminetetraacetate 64-02-8 | >1780 - <2000 mg/kg (rat) | Not listed | >1 mg/L (aerosol) (rat) – 6 h |
| PEG 15 cocomonium chloride 61791-10-4 | >5000 mg/kg (rat) | >11200 mg/kg (rabbit) | Not listed |
| sodium metasilicate 6834-92-0 | 600 mg/kg (rat) | Not listed | Not listed |

Information on likely sources of exposure

| | |
|--------------------------------------|--|
| Serious eye damage/irritation | Causes serious eye irritation. |
| Skin corrosion/irritation | May cause irritation with local redness. |
| Ingestion | Expected to be a low ingestion hazard. |
| Inhalation | Expected to be a low inhalation hazard. |

Delayed and immediate effects and also chronic effects from short and long-term exposure

| | |
|--|-------------------|
| Respiratory or skin sensitization | Not a sensitizer. |
| Germ cell mutagenicity | None known. |
| Carcinogenicity | None known. |
| Reproductive toxicity | None known. |
| STOT - single exposure | None known. |
| STOT-repeated exposure | None known. |
| Aspiration Hazard | None. |

Symptoms related to the physical, chemical and toxicological characteristics

Eye damage or irritation.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

If available, ecotoxicity values of individual components are shown below.

| Chemical Name | Fish | Waterflea | Algae |
|--|---|---|---|
| diethylene glycol monobutyl ether 112-34-5 | 1300 mg/L: 96 h lepomis macrochirus LC50 | Not available | >100 mg/L: 96 h desmodesmus subspicatus EC50 |
| tetrasodium ethylenediaminetetraacetate 64-02-8 | >100 mg/L: 96 h lepomis macrochirus LC50 | >100 mg/L: 48 h daphnia magna EC50 | >100 mg/L: 72 h green algae EC50 |
| PEG 15 cocomonium chloride 61791-10-4 | 26.7 mg/L: 96 h pimephales promelas LC50 | 42.0 mg/L: 48 h daphnia magna EC50 | 3.1 mg/L: 96 h selenastrum capricornutum EC50 |

Persistence and degradability

Expected to be potentially biodegradable

Bioaccumulative potential

Accumulation in organisms is not to be expected.

Mobility in soil

No information available

Other adverse effects

Do not release untreated into natural waters. No other adverse environmental effects are expected.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**TDG classification**

Not regulated.

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

17 May 2016

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS