

# SAFETY DATA SHEET

according to the Hazardous Products Regulations

## ISO Flush

Version  
1.0

Revision Date:  
18.10.2024

SDS Number:  
70MDGM661428

Date of first issue:  
18.10.2024

---

### SECTION 1. IDENTIFICATION

Product name : ISO Flush

Product number : 661428

Other means of identification : No data available

#### Manufacturer or supplier's details

Company : Pinnacle West Enterprises Inc.31897 Mercantile Way  
Abbotsford, BC, V2T 4C3, Exporter EIN No. 47-5632014  
pinnaclewest.net Telephone: 800 901 0088

Emergency telephone : 1-800-424-9300 CHEMTREC (USA) 1-703-741-5970  
CHEMTREC (International) 24 Hours/day; 7 Days/week

#### Recommended use of the chemical and restrictions on use

Recommended use : Isocyanate flushing solvent

---

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the Hazardous Products Regulations

Not a hazardous substance or mixture.

#### GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

#### Other hazards

None known.

---

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Common Name/Synonym : No data available

#### Components

No hazardous ingredients

---

### SECTION 4. FIRST AID MEASURES

If inhaled : fresh air.

In case of skin contact : Take off immediately all contaminated clothing. Rinse skin with water/ shower.

---

# SAFETY DATA SHEET

according to the Hazardous Products Regulations

## ISO Flush

Version  
1.0

Revision Date:  
18.10.2024

SDS Number:  
70MDGM661428

Date of first issue:  
18.10.2024

---

In case of eye contact	:	rinse out with plenty of water. Remove contact lenses.
If swallowed	:	make victim drink water (two glasses at most). Consult doctor if feeling unwell.
Most important symptoms and effects, both acute and delayed	:	We have no description of any toxic symptoms.
Notes to physician	:	No information available.

---

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water Dry powder Foam Carbon dioxide (CO <sub>2</sub> )
Unsuitable extinguishing media	:	For this substance/mixture no limitations of extinguishing agents are given.
Specific hazards during fire fighting	:	Combustible.  Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.  Fire may cause evolution of: Carbon oxides
Further information	:	Prevent fire extinguishing water from contaminating surface water or the ground water system.
Special protective equipment for fire-fighters	:	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: Protective equipment see section 8. If possible, stop flow of product.
---	---	--

# SAFETY DATA SHEET

according to the Hazardous Products Regulations

## ISO Flush

Version  
1.0

Revision Date:  
18.10.2024

SDS Number:  
70MDGM661428

Date of first issue:  
18.10.2024

- 
- Environmental precautions : Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

---

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Observe label precautions.
- Conditions for safe storage : Store in original container.
- Further information on storage conditions : Tightly closed. Risks from decomposition products: see section 10

---

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

**Engineering measures** : Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7

#### Personal protective equipment

Respiratory protection : Respirator with filter for organic vapor  
Not required for properly ventilated areas.  
required when vapours/aerosols are generated.

Hand protection

- Remarks : Protective gloves
- Protective measures : Wear suitable protective clothing, gloves and eye/face protection.
- Eye protection : Safety glasses
- Body Protection : If there is any possibility of direct contact or exposure, wear chemical resistant protective clothing.
- Hygiene measures : Avoid contact with skin, eyes and clothing.

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : colorless
- Odor : No data available
- Odor Threshold : No data available

# SAFETY DATA SHEET

according to the Hazardous Products Regulations

## ISO Flush

Version  
1.0

Revision Date:  
18.10.2024

SDS Number:  
70MDGM661428

Date of first issue:  
18.10.2024

---

pH	:	No data available
Melting point	:	-78 °C
Boiling point	:	243 °C (1.013 hPa) Method: OECD Test Guideline 103
Flammability (solid, gas)	:	No data available
Decomposition temperature	:	No data available
Flash point	:	124 °C(1.013 hPa) Method: EN 2719, closed cup
Autoignition temperature	:	277 °C (1.013 hPa) Method: Regulation (EC) No. 440/2008, Annex, A.15
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	0,01 hPa
Relative vapor density	:	No data available
Relative density	:	(water = 1) 0,96
Density	:	0,9650 g/cm <sup>3</sup> (20 °C)
Solubility(ies) Water solubility	:	completely miscible (20 °C)
Partition coefficient: n-octanol/water	:	log Pow: 0,08 (21 °C) pH: 6,1 - 6,4 Method: OECD Test Guideline 107 GLP: yes Bioaccumulation is not expected.
Evaporation rate	:	No data available
Viscosity	:	No data available
Explosive properties	:	Not classified as explosive.
Oxidizing properties	:	none

# SAFETY DATA SHEET

according to the Hazardous Products Regulations

## ISO Flush

Version  
1.0

Revision Date:  
18.10.2024

SDS Number:  
70MDGM661428

Date of first issue:  
18.10.2024

---

Surface tension : 68,8 mN/m, 1 g/l, 20 °C, OECD Test Guideline 115, GLP: yes  
Molecular weight : 206,3 g/mol

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.  
Chemical stability : The product is chemically stable under standard ambient conditions (room temperature) .  
Possibility of hazardous reactions : no information available  
Conditions to avoid : Strong heating.  
Incompatible materials : Oxidizing agents  
Hazardous decomposition products : in the event of fire: See section 5.

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Eye contact  
Skin contact

#### Acute toxicity

##### Product:

Acute oral toxicity : LD50 (Rat, female): 3.400 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes  
Remarks: (ECHA)  
Acute inhalation toxicity : LC0 (Rat): > 0,26 mg/l, > 30 ppm  
Exposure time: 8 h  
Test atmosphere: vapor  
Method: OECD Test Guideline 403  
Remarks: (ECHA)  
Acute dermal toxicity : LD50 (Rabbit, male): 15.440 mg/kg  
Method: OECD Test Guideline 402  
Remarks: (ECHA)

# SAFETY DATA SHEET

according to the Hazardous Products Regulations

## ISO Flush

Version  
1.0

Revision Date:  
18.10.2024

SDS Number:  
70MDGM661428

Date of first issue:  
18.10.2024

---

### Skin corrosion/irritation

**Product:**

Species : Rabbit  
Exposure time : 24 h  
Method : OECD Test Guideline 404  
Result : No skin irritation  
Remarks : (ECHA)

### Serious eye damage/eye irritation

**Product:**

Species : Rabbit  
Result : No eye irritation  
Method : US-EPA  
GLP : yes  
Remarks : (ECHA)

### Respiratory or skin sensitization

**Product:**

Test Type : Local lymph node assay (LLNA)  
Routes of exposure : Dermal  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : Does not cause skin sensitization.  
GLP : yes  
Remarks : (ECHA)

### Germ cell mutagenicity

**Product:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes  
Remarks: (ECHA)

Test Type: In vitro mammalian cell gene mutation test  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes  
Remarks: (ECHA)

# SAFETY DATA SHEET

according to the Hazardous Products Regulations

## ISO Flush

Version  
1.0

Revision Date:  
18.10.2024

SDS Number:  
70MDGM661428

Date of first issue:  
18.10.2024

---

### Carcinogenicity

**Product:**

No data available

### Reproductive toxicity

**Product:**

No data available

### STOT-single exposure

**Product:**

No data available

### STOT-repeated exposure

**Product:**

No data available

### Repeated dose toxicity

**Product:**

Species : Mouse, male and female  
NOAEL : 1,01 mg/l  
Application Route : Inhalation  
Test atmosphere : aerosol  
Number of exposures : N11.00019274  
Method : OECD Test Guideline 412  
GLP : yes

Species : Rat, male and female  
NOAEL : 1,01 mg/l  
Application Route : Inhalation  
Test atmosphere : aerosol  
Number of exposures : N11.00019274  
Method : OECD Test Guideline 412  
GLP : yes

Species : Rabbit, male  
NOAEL : 965 mg/kg  
LOAEL : 2.895 mg/kg  
Application Route : Dermal  
Method : OECD Test Guideline 411

### Aspiration toxicity

**Product:**

No data available

### Further information

**Product:**

Remarks : Handle in accordance with good industrial hygiene and safety practice

---

# SAFETY DATA SHEET

according to the Hazardous Products Regulations

## ISO Flush

Version  
1.0

Revision Date:  
18.10.2024

SDS Number:  
70MDGM661428

Date of first issue:  
18.10.2024

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 11.619 mg/l  
Exposure time: 96 h  
Remarks: (ECHA)
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 10.000 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: (ECHA)
- Toxicity to microorganisms : (activated sludge):  
Exposure time: 0,5 h  
Method: ISO/TC 147  
Remarks: (ECHA)

### Persistence and degradability

#### Product:

- Biodegradability : Inoculum: activated sludge  
Result: Readily biodegradable.  
Biodegradation: 51 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
GLP: yes

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

- Additional ecological information : No ecological problems are to be expected when the product is handled and used with due care and attention.

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

- Waste from residues : Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned



# SAFETY DATA SHEET

according to the Hazardous Products Regulations

## ISO Flush

Version  
1.0

Revision Date:  
18.10.2024

SDS Number:  
70MDGM661428

Date of first issue:  
18.10.2024

---

containers like the product itself.

Contaminated packaging : When discarding an empty container, the contaminated to the inside is removed completely and it discards according to your local regulations.

---

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

UN number : Not dangerous goods  
Proper shipping name : Not dangerous goods  
Class : Not dangerous goods  
Packing group : Not dangerous goods  
Marine pollutant : Not dangerous goods

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

#### TDG

Not regulated as a dangerous good

#### Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

---

### SECTION 15. REGULATORY INFORMATION

#### International Regulations

Rotterdam Convention (Prior Informed Consent) : Not applicable

Stockholm Convention (Persistent Organic Pollutants) : Not applicable

#### Canadian lists

No substances are subject to a Significant New Activity Notification.

#### The ingredients of this product are reported in the following inventories:

TSCA : All substance listed on the TSCA Active Inventory

DSL : All components of this product are on the Canadian DSL

---

### SECTION 16. OTHER INFORMATION

# SAFETY DATA SHEET

according to the Hazardous Products Regulations

## ISO Flush

Version  
1.0

Revision Date:  
18.10.2024

SDS Number:  
70MDGM661428

Date of first issue:  
18.10.2024

---

Revision Date : 18.10.2024  
Date format : dd/mm/yyyy

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.

CA / EN