

# Safety Data Sheet

## 1. IDENTIFICATION

**Product Identifier:** ACID CLEANER FP (NON-PHOS)

**Date of Revision:** January 31, 2018

**Product Code:** T649

**Other Name(s):**

**Distributed By:**

**Recommended Use and Restrictions on Use:**

**Manufactured By:** Ostrem Chemical Co. Ltd.  
2310 - 80th Avenue NW  
Edmonton, Alberta, Canada T6P 1N2  
www.ostrem.com

Phone: 780-440-1911  
In Case of Emergency Only, Phone  
CANUTEC: 613-996-6666

## 2. HAZARDS IDENTIFICATION

**Classification of the Mixture:** Eye Damage/Irritation - Category 1  
Skin Corrosion/Irritation - Category 1  
Acute Toxicity, Inhalation - Category 4  
Corrosive to Metals - Category 1

**Label Elements:**

**Hazard Pictogram(s):**



**Signal Word:** DANGER

**Hazard Statement(s):** Causes severe skin burns and eye damage.  
Harmful if inhaled.  
May be corrosive to metals.

**Precautionary Statement(s):**

**Prevention:** Do not breathe dusts or mists.  
Wash hands thoroughly after handling.  
Wear protective gloves, protective clothing, and eye/face protection.  
Use only outdoors or in a well-ventilated area.  
Keep only in original packaging.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.  
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 centre or physician.  
Absorb spillage to prevent material-damage.

**Storage:** Store locked up.  
Store in a corrosion resistant container with a resistant inner liner.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Physical/health hazards not otherwise classified:**

not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>Conc.</u> | <u>CAS #</u> | <u>Common Names</u> |
|----------------------|--------------|--------------|---------------------|
| nitric acid (~67%)   | 30 - 60%     | 7697-37-2    |                     |

## 4. FIRST-AID MEASURES

# Safety Data Sheet

## Necessary Measures:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.  
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 centre or physician.  
Absorb spillage to prevent material-damage.

## Most important symptoms, both acute and delayed:

Causes serious eye damage.  
Causes severe skin burns and eye damage.  
Harmful if inhaled.

## Indication of immediate medical attention and special treatment needed, if necessary:

not applicable

## 5. FIRE-FIGHTING MEASURES

### Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

### Specific hazards arising from the chemical (e.g.: hazardous combustion products):

oxides of nitrogen

### Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See section 8.

### Environmental precautions:

Prevent from entering sewers, waterways or low areas.

### Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Do not breathe dusts or mists.  
Wash hands thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Keep only in original packaging.  
Do not ingest. Avoid contact with eyes, skin and clothing.

### Conditions for safe storage, including any incompatibilities:

Store locked up.  
Store in a corrosion resistant container with a resistant inner liner.  
Keep out of reach of children. Store in a cool, dry area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters - Exposure limits:

|                    |                                     |
|--------------------|-------------------------------------|
| <u>Ingredient:</u> | <u>Limit:</u>                       |
| nitric acid (~67%) | ACGIH STEL: 4 ppm<br>TLV-TWA: 2 ppm |

### Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

# Safety Data Sheet

**Respiratory protection:**

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

**Other protection:**

Wear protective gloves, protective clothing, and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                         |
|--|-------------------------|
| <b>Appearance (physical state, colour etc.):</b>     | clear colourless liquid |
| <b>Odour:</b>  | no odour                |
| <b>Odour threshold:</b>                              | not available           |
| <b>pH:</b>   | <1                      |
| <b>Melting/Freezing point:</b>                       | not available           |
| <b>Initial boiling point and range:</b>              | not available           |
| <b>Flash point:</b>                                  | not applicable          |
| <b>Evaporation rate:</b>                             | not available           |
| <b>Flammability (solid, gas):</b>                    | not available           |
| <b>Upper/lower flammability or explosive limits:</b> | not available           |
| <b>Vapour pressure:</b>                              | not available           |
| <b>Vapour density:</b>                               | not available           |
| <b>Relative density (specific gravity):</b>          | 1.157                   |
| <b>Solubility(ies):</b>                              | complete                |
| <b>Partition co-efficient: n-octanol/water:</b>      | not available           |
| <b>Auto-ignition temperature:</b>                    | not available           |
| <b>Decomposition temperature:</b>                    | not available           |
| <b>Viscosity:</b>                                    | not available           |

## 10. STABILITY AND REACTIVITY

**Reactivity:**

This material is considered to be non-reactive under normal use conditions.

**Chemical stability:**

Stable.

**Possibility of hazardous reactions:**

not available

**Conditions to avoid (e.g.: static discharge, shock or vibration):**

not applicable

**Incompatible materials:**

Oxidizers / Base / Other

**Hazardous decomposition products:**

not available

## 11. TOXICOLOGICAL INFORMATION

**POTENTIAL ACUTE HEALTH EFFECTS**

|                         |  |
|-------------------------|--|
| <b>Inhalation:</b>      | Harmful if inhaled.                      |
| <b>Ingestion:</b>       | May be harmful if swallowed.             |
| <b>Eye contact:</b>     | Causes serious eye damage.               |
| <b>Skin contact:</b>    | Causes severe skin burns and eye damage. |
| <b>Skin absorption:</b> | not available                            |

**POTENTIAL CHRONIC HEALTH EFFECTS**

|                         |               |
|-------------------------|---------------|
| <b>Inhalation:</b>      | not available |
| <b>Ingestion:</b>       | not available |
| <b>Eye contact:</b>     | not available |
| <b>Skin contact:</b>    | not available |
| <b>Skin absorption:</b> | not available |

**Mutagenicity:** not available

# Safety Data Sheet

**Carcinogenicity:** This information, if applicable, can be found in Section 2.  
**Reproductive toxicity:** This information, if applicable, can be found in Section 2.  
**Sensitization of product:** This information, if applicable, can be found in Section 2.  
**Specific Target Organ Toxicity - single exposure:** This information, if applicable, can be found in Section 2.  
**Specific Target Organ Toxicity - repeated exposure:** This information, if applicable, can be found in Section 2.

## Toxicological Data:

### Ingredient:

nitric acid (~67%)

### Data:

Inhalation LC50: 3.5 mg/L 4h (rat)

## Other Toxicological Information on Ingredients:

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity (aquatic and terrestrial, where available):** not available  
**Persistence and degradability:** not available  
**Bioaccumulative potential:** not available  
**Mobility in soil:** not available  
**Other adverse effects:** not available  
**Ecological Information on Ingredients:** not available

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Disposal of all waste must be done according to local, provincial and federal regulations.

## 14. TRANSPORT INFORMATION

**TDG classification:** UN 1760; CORROSIVE LIQUID, N.O.S. (NITRIC ACID); CLASS 8; PG II

## 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## 16. PREPARATION INFORMATION

**Prepared by:** Technical Services Department, Ostrem Chemical Co. Ltd., Ph.: 780-440-1911

**Date of Preparation:** February 10, 2017

**Date of Revision:** January 31, 2018

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Ostrem Chemical Co. Ltd.

**End of Document**