

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION

OSTREM CHEMICAL CO. LTD.  
2310 - 80 AVENUE  
EDMONTON AB T6P 1N2

Phone: 780-440-1911 or 780-446-0177  
In Case of Emergency Only:  
phone CANUTEC at (613) 996-6666

**Product name:** SANI HANDS TH  
Natural Health Product Number 02242309

Code: J548

**Other name:**

**Distributed by:**

**Product use:**

**Date completed:** January 12, 2016

---

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%W/W	CAS number
isopropanol (99%)	60-100	67-63-0

---

## 3. HAZARDS IDENTIFICATION

Flammable liquid. Eye irritant. Harmful if swallowed.

---

## 4. FIRST AID MEASURES

**Inhalation:** Remove from exposure. Get fresh air.  
**Ingestion:** Do not induce vomiting. If irritation persists, seek medical attention.  
**Eye contact:** Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.  
**Skin contact:** Remove contaminated clothing and flush with plenty of water.

---

## 5. FIRE - FIGHTING MEASURES

**Flash point (test method):** 12C  
**Flammable limits (%):**  
**Lower:** Not available  
**Upper:** Not available  
**Fire extinguishing substances:** use extinguishing media appropriate for surrounding fire  
**Autoignition temperatures:** Not available  
**Hazardous combustion products:** May liberate carbon monoxide and carbon dioxide.  
**Explosion data:**  
**Sensitivity to mechanical impact:** Not available  
**Sensitivity to static discharge:** Not available  
**Special firefighting procedures:** As for surrounding fire. Fire fighters should wear full protective clothing and self contained breathing equipment.

---

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Eliminate all ignition sources and wear protective equipment.  
**Environmental precautions:** Prevent from entering sewers, waterways or low areas.  
**Methods for 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

**Handling:** Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Storage:** Keep out of reach of children. Keep container tightly closed. Store in a cool, dry area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

**Respiratory protection:** If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator

**Eye protection:** Chemical goggles. Wear a face shield if splashing hazards exists.

**Other protection:** Wear protective clothing as necessary to prevent skin contact.

### Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
isopropanol (99%)	TWA=400 ppm		

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Liquid	<b>Solubility in water:</b> 100%
<b>Boiling point:</b> Not available	<b>Vapour pressure:</b> Not available
<b>Vapour density:</b> Not available	<b>Evaporation rate:</b> Not available
<b>Freezing point:</b> Not available	<b>Odour threshold:</b> Not available
<b>Sp. Gravity:</b> 0.861	<b>pH:</b> neutral
<b>Appearance &amp; odour:</b>	clear liquid with alcohol odour

---

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions of instability:** Not available

**Incompatibility:** Not available

**Conditions of reactivity:** Not available

**Hazardous decomposition products:** Not available

---

## 11. TOXICOLOGICAL PROPERTIES

### POTENTIAL ACUTE HEALTH EFFECTS

**Inhalation:** No known significant effects.

**Ingestion:** Swallowing small amounts of this material is not likely to cause harmful effects. Large amounts may cause stomach and intestinal irritation, abdominal pain and vomiting.

**Eye contact:** May cause mild to severe irritation such as stinging, tearing, redness and swelling of the eyes.

**Skin contact:** May cause skin irritation.

**Skin absorption:** Not applicable

### POTENTIAL CHRONIC HEALTH EFFECTS:

**Inhalation:** No known significant effects.

**Ingestion:** Not available

**Eye contact:** Not available

**Skin contact:** Not applicable

**Skin absorption:** Not applicable

<b>Irritancy of product:</b>	See WHMIS criteria
<b>Sensitization of product:</b>	Not available
<b>Carcinogenicity:</b> IARC (1, 2A or 2B)	No known significant effects.
ACGIH: (A1, A2 or A3)	No known significant effects.
<b>Reproductive toxicity:</b>	No known significant effects.
<b>Teratogenicity:</b>	No known significant effects.

**Mutagenicity:**  
**Synergistic product:**

No known significant effects.  
Not available

HAZARDOUS INGREDIENTS  
isopropanol (99%)

CAS NO.	TOXICITY DATA
67-63-0	LD <sub>50</sub> Oral (rat) 5045 mg/kg
	LD <sub>50</sub> Dermal (rabbit) 5030 mg/kg

---

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological information:** Not available  
**Other information:**

---

## 13. DISPOSAL CONSIDERATIONS

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

---

## 14. TRANSPORT INFORMATION

**TDG classification:** ISOPROPYL ALCOHOL; Class 3; UN 1219; PG II

---

## 15. REGULATORY INFORMATION

**WHMIS:** Not controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

---

## 16. PREPARATION INFORMATION

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