

**1. IDENTIFICATION****Product Identifier:** RELAY GLASSWASHER DRYING AGENT**Date of Revision:** January 31, 2018**Product Code:** J441**Other Name(s):****Distributed By:** RELAY DISTRIBUTING**Recommended Use and Restrictions on Use:** rinse agent**Manufactured By:** Ostrem Chemical Co. Ltd.  
2310 - 80th Avenue NW  
Edmonton, Alberta, Canada T6P 1N2  
www.ostrem.comPhone: 780-440-1911  
In Case of Emergency Only, Phone  
CANUTEC: 613-996-6666**2. HAZARDS IDENTIFICATION****Classification of the Mixture:** Eye Damage/Irritation - Category 2A  
Flammable Liquids - Category 3**Label Elements:****Hazard Pictogram(s):****Signal Word:** WARNING**Hazard Statement(s):** Causes serious eye irritation.  
Flammable liquid and vapour.**Precautionary Statement(s):****Prevention:** Wash hands thoroughly after handling.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wear protective gloves, protective clothing, and eye/face protection.**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.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.**Storage:** Store in a well-ventilated place. Keep cool.**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>
isopropanol (99%)	3 - 7%	67-63-0	isopropyl alcohol

**4. FIRST-AID MEASURES****Necessary Measures:**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.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.**Most important symptoms, both acute and delayed:**

Causes serious eye irritation.

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

not applicable

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## 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):

May liberate carbon monoxide and carbon dioxide.

### 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:

Wash hands thoroughly after handling.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not ingest. Avoid contact with eyes, skin and clothing.

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

Store in a well-ventilated place. Keep cool.

Keep out of reach of children. Store in a cool, dry area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters - Exposure limits:

#### Ingredient:

isopropanol (99%)

#### Limit:

ACGIH TWA: 200 ppm

STEL 400 ppm

### Appropriate 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.

### Other protection:

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc.):	clear blue liquid
Odour:	isopropanol odour
Odour threshold:	not available
pH:	2.5 - 3.5
Melting/Freezing point:	not available
Initial boiling point and range:	not available
Flash point:	57 C
Evaporation rate:	not available
Flammability (solid, gas):	not available
Upper/lower flammability or explosive limits:	not available
Vapour pressure:	not available
Vapour density:	not available
Relative density (specific gravity):	1.008

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<b>Solubility(ies):</b>	100%
<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):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Incompatible materials:

Oxidizers / Base

### Hazardous decomposition products:

not available

## 11. TOXICOLOGICAL INFORMATION

### POTENTIAL ACUTE HEALTH EFFECTS

<b>Inhalation:</b>	May cause respiratory tract irritation.
<b>Ingestion:</b>	May be harmful if swallowed.
<b>Eye contact:</b>	Causes serious eye irritation.
<b>Skin contact:</b>	May cause mild skin irritation.
<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

**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:

<u>Ingredient:</u> isopropanol (99%)	<u>Data:</u> not available
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### Other Toxicological Information on Ingredients:

## 12. ECOLOGICAL INFORMATION

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

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## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

**TDG classification:** NON-REGULATED

## 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 03, 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.

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