

**1. IDENTIFICATION****Product Identifier:** DISHWASHING POWDER PLUS**Date of Revision:** January 31, 2018**Product Code:** J410**Other Name(s):** DL-50 MACHINE DISHWASH**Distributed By:** RELAY DISTRIBUTING**Recommended Use and Restrictions on Use:****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 1  
Skin Corrosion/Irritation - Category 2  
Acute Toxicity, Inhalation - Category 4**Label Elements:****Hazard Pictogram(s):****Signal Word:** DANGER**Hazard Statement(s):** Causes serious eye damage.  
Causes skin irritation.  
Harmful if inhaled.**Precautionary Statement(s):****Prevention:** Wash hands thoroughly after handling.  
Wear protective gloves and eye protection.  
Avoid breathing dust, vapours or spray.  
Use only outdoors or in a well-ventilated area.**Response:** 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.  
IF ON SKIN: Wash with plenty of water.  
If skin irritation occurs: Get medical advice.  
Take off contaminated clothing and wash it before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a poison centre or physician if you feel unwell.**Storage:** not applicable**Disposal:** not applicable**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>
troclosene sodium, dihydrate (56%)	1 - 5%	51580-86-0	sodium dichloroisocyanurate dihydrate
trisodium nitrilotriacetate	30 - 60%	5064-31-3	
sodium metasilicate (58%)	10 - 30%	6834-92-0	

**4. FIRST-AID MEASURES**

# Safety Data Sheet

## Necessary Measures:

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.  
IF ON SKIN: Wash with plenty of water.  
If skin irritation occurs: Get medical advice.  
Take off contaminated clothing and wash it before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a poison centre or physician if you feel unwell.

## Most important symptoms, both acute and delayed:

Causes serious eye damage.  
Causes skin irritation.  
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):

May liberate oxides of carbon, nitrogen, sodium and chlorine.

### 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.  
Avoid breathing dust, vapours or spray.  
Use only outdoors or in a well-ventilated area.  
Do not ingest. Avoid contact with eyes, skin and clothing.

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

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>
troclosene sodium, dihydrate (56%)	not available
trisodium nitrilotriacetate	not available
sodium metasilicate (58%)	not available

### 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.

# Safety Data Sheet

## Other protection:

Wear protective gloves and eye protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc.):	white granular powder
Odour:	chlorine odour
Odour threshold:	not available
pH:	1% sol. 11.4
Melting/Freezing point:	not available
Initial boiling point and range:	not available
Flash point:	not applicable
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):	1.000
Solubility(ies):	10%
Partition co-efficient: n-octanol/water:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	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:

Reacts with acids, aluminum, fluorine, lithium, strong mineral acids

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

not applicable

### Incompatible materials:

Oxidizers / Acid

### Hazardous decomposition products:

not available

## 11. TOXICOLOGICAL INFORMATION

### POTENTIAL ACUTE HEALTH EFFECTS

Inhalation:	Harmful if inhaled.
Ingestion:	May be harmful if swallowed.
Eye contact:	Causes serious eye damage.
Skin contact:	Causes skin irritation.
Skin absorption:	not available

### POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation:	not available
Ingestion:	not available
Eye contact:	not available
Skin contact:	not available
Skin absorption:	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.

# Safety Data Sheet

**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:

troclosene sodium, dihydrate (56%)

trisodium nitrilotriacetate  
sodium metasilicate (58%)

### Data:

Oral LD50: 1355 mg/kg (rat)  
Inhalation LD50: 0.27-1.17 mg/L 4h (rat)  
Oral LD50: 1450 mg/kg (rat)  
Oral LD50: 1153 mg/kg (rat)

## Other Toxicological Information on Ingredients:

### trisodium nitrilotriacetate

Suspected of causing cancer.

## 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:** 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:** March 17, 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**