

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

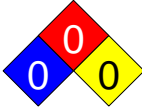
### **1 Identification**

- **Product identifier**
  - Trade name: ***INO BANO 1 Elite Washroom Cleaner***
  - **Article number:** 1384210112, 1384278106
  - **Recommended use:** Bathroom cleaner
  - **Restrictions on use:**  
All other uses than those indicated on the product label and technical data sheet.
- **Details of the supplier of the safety data sheet:**
  - **Manufacturer:**  
Le Groupe Dissan INC.  
9280, BOUL. DU GOLF, Montreal  
Quebec, Canada  
H1J 3A1  
Phone: (514) 789-6363  
Fax: (514) 352-4815  
Web site: www.inosolutions.net
  - **Client Identification Number:** 432001

### **2 Hazard(s) identification**

- **Classification of the product:**  
The product is not classified according to the Globally Harmonized System (GHS).

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- **Label elements:**
  - **Hazard pictograms:** Not classified.
  - **Signal word:** Not classified.
  - **Hazard statements:** Not classified.
- **Classification system:**
  - **NFPA ratings (scale 0 - 4):**  
  
Health = 0  
Fire = 0  
Reactivity = 0

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- **Hazard not otherwise classified:** None
- **Notes:** For the wording of the listed abbreviations refer to section 16.

### **3 Composition/information on ingredients**

- **Dangerous components:** Not classified.

### **4 First-aid measures**

- **General information:** No special measures required.
- **After inhalation:** Rarely cause discomfort; supply fresh air and consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After ingestion:** If symptoms persist consult a doctor.

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- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:**  
No further relevant information available.

### **5 Fire-fighting measures**

- **Suitable extinguishing media:**
- **Suitable extinguishing media:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Specific hazards arising from the product:**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen oxides (NO<sub>x</sub>).
- **Advice for firefighters:**
- **Special protective equipment and precautions for fire-fighters:** No special measures required.
- **Additional information:**  
This product is not flammable.  
See -Section 9- for the flammability characteristics of this product.

### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures:**  
Wear recommended protective equipment(s). Keep unprotected persons away.  
Protective gloves
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### **7 Handling and storage**

- **Handling:**
- **Precautions for safe handling:** No special precautions are necessary if used correctly.
- **Conditions for safe storage, including any incompatibilities:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Conditions for safe storage, including any incompatibilities:** None.
- **Specific end use(s):** No further relevant information available.

### **8 Exposure controls/personal protection**

- **Appropriate engineering controls:** No further data; see item 7.
- **Control parameters:**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls:**

· **Personal protective equipment:**



Protective gloves (recommended)



Safety goggles (recommended)

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

· **Breathing equipment:** Not required.

· **Protection of hands:** Protective gloves (recommended)

· **Eye protection:** Safety goggles (recommended)

· **Body protection:** No special measures required.

**9 Physical and chemical properties**

· **Information on basic physical and chemical properties:**

· **General Information:**

· **Appearance:**

- **Form:** Liquid
- **Colour:** Blue
- **Odour:** Agrume/orange.
- **Odor threshold:** Not determined.

· **pH-value at 25 °C:** 6.0 - 8.0

· **Change in condition:**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 100 °C

· **Flash point:** Not determined.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

· **Lower:** Not determined.

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· <b>Upper:</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	23 hPa Not determined.
· <b>Density at 25 °C:</b>	1.000 - 1.015 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density (air=1):</b>	<1 (aqueous solution)
· <b>Evaporation rate:</b>	Not determined.
· <b>Solubility in / Miscibility with:</b>	
· <b>Water:</b>	Fully miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	0.0 %

### **10 Stability and reactivity**

- **Reactivity:** Not determined.
- **Chemical stability:**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**  
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

### **11 Toxicological information**

- **Information on the likely routes of exposure:** Skin and eyes contact
- **Acute toxicity:**
  - **Numerical measures of toxicity:**

· Components Mean of exposure	Type	Value (Species)
<b>ATE (Acute Toxicity Estimates)</b>		
Oral	LD50	266250 mg/kg (Rat)
<b>68424-85-1 Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride</b>		
Oral	LD50	919 mg/kg (Mouse)
		426 mg/kg (Rat)
	LC50	240 mg/L (Rat)

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- **Symptomes related to the physical, chemical and toxiological characteristics:**
  - **By inhalation:** Not applicable
  - **If on the skin:** May cause irritation by prolonged contact with skin.
  - **If on the eye:** No irritating effect.
  - **After ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
  - **Sensitization:** No sensitizing effects known.
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure:**  
 Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.
- **Additional toxicological information:**  
 The product is not subject to classification according to internally approved calculation methods for preparations:  
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories:**

· <b>IARC (International Agency for Research on Cancer)</b>		
64-17-5	Ethanol	1
	Triarylmethane Dye Acid	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

**68424-85-1 Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride**

EC50 (48 h, OECD guideline 202)	<1 mg/L (daphnia magna [water flea])
EC50 (72 h, OECD guideline 201)	<1 mg/L (Algae)
EC50 (96 h)	<1 mg/L (oncorhynchus mykiss [rainbow trout])

- **Persistence and degradability:** No relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential:** No further relevant information available.
  - **Mobility in soil:** No further relevant information available.
- **Ecotoxicity:** No relevant information available
- **General notes:** Not known to be hazardous to water.

**13 Disposal considerations**

- **Waste treatment methods:**
  - **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

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· **Recommended cleansing agent:** Water.

**14 Transport information**

· DOT, ADN, IMDG, IATA	Not regulated.
· UN proper shipping name · DOT	Not regulated.
· Transport hazard class(es) · Class	Not regulated.
· Packing group · DOT	Not regulated.
· Environmental hazards: · Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

**15 Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

· <b>Chemicals known to cause cancer:</b>	None of the ingredients is listed.	
· <b>Chemicals known to cause reproductive toxicity for females:</b>	None of the ingredients is listed.	
· <b>Chemicals known to cause reproductive toxicity for males:</b>	None of the ingredients is listed.	
· <b>Chemicals known to cause developmental toxicity:</b>	64-17-5	Ethanol
· <b>EPA (Environmental Protection Agency)</b>	None of the ingredients is listed.	
· <b>TLV (Threshold Limit Value established by ACGIH)</b>	64-17-5	Ethanol
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		A3
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	None of the ingredients is listed.	

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** 02/12/2016

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NIOSH: National Institute for Occupational Safety

CA