INO SHINE 301

SECTION 1. IDENTIFICATION

Product Identifier	INO SHINE 301
Other Means of Identification	Degreaser
Product Family	Degreaser
Recommended Use	All purpose cleaner.
Manufactured for	Groupe Dissan inc 9280,Boul. Du Golf Anjou (Québec) H1J 3A1 (514) 789-6363
Emergency Phone No.	CANUTEC, (613) 996-6666
SDS No.	3

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).
Classified according to the US Hazard Communication Standard (HCS 2012).
Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Acute toxicity (Oral) - Category 5; Acute toxicity (Dermal) - Category 5; Skin corrosion - Category 1; Serious eye damage - Category 1; Skin sensitization - Category 1

Label Elements

Signal Word:
Danger
Hazard Statement(s):
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
Precautionary Statement(s):
Prevention:
P264 Wash hands and skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310 Immediately call a POISON CENTRE or doctor.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P363 Wash contaminated clothing before reuse.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P406 Store in corrosive resistant container with a resistant inner liner.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
2-Butoxyethanol	111-76-2	5 -10	EC 203-905-0	Not Applicable
Dodecylbenzene sulfonate de sodium	25155-30-0	1 - 5	EC 246-680-4	Not Applicable
C12-15, Alcool ethoxylé	68131-39-5	1 - 5	EC 500-195-7	Not Applicable
Sodium Metasilicate	6834-92-0	1 - 5	EC 229-912-9	Not Applicable
Alcohols, C9-11, ethoxylated, liquids	68439-46-3	1 - 5	EC 500-446-0	Not Applicable
Sodium xylenesulfonate	1300-72-7	1 - 5	EC 215-090-9	Not Applicable

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Move to fresh air. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor.

Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of water. If skin irritation or a rash occurs, get medical advice or attention.

Eye Contact

Small amounts splashed into eyes can cause irreversible tissue damage and blindness. Rinse immediately with plenty of water for at least 15 minutes. Continue rinsing eyes during transport to hospital. remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Clean mouth with water and drink afterwards plenty of water. Immediately call a Poison Centre or doctor. If specific treatment is required.

Most Important Symptoms and Effects, Acute and Delayed

Effects are immediate and delayed. Symptoms may include blistering, irritation, burns, and pain. Effects are dependent on exposure (dose, concentration, contact time).
Causes severe skin burns and eye damage. Review section 2 of SDS to see all potential hazards.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Dry chemical, water, foam, carbon dioxide (CO2).

Unsuitable Extinguishing Media

High volume water jet.

Specific Hazards Arising from the Product

Heating increases the release of toxic vapour.
In a fire, the following hazardous materials may be generated: corrosive, oxidizing nitrogen oxides; very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary. Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills.
Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Collect liquid with absorbent (sand, diatomaceous earth, universal binder, sawdust).

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Avoid breathing in this product. Avoid generating vapours or mists. Avoid release to the environment. Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system). If product is transferred to another container, ensure new container is suitable for the product. Prevent accidental contact with incompatible chemicals. Avoid repeated or prolonged skin contact with product or with contaminated equipment/surfaces. Never add water to a corrosive. Always add corrosives slowly to COLD water. Keep containers tightly closed when not in use or empty. Never reuse empty containers, even if they appear to be clean. Do NOT eat, drink or store food in work areas. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area. Immediately remove contaminated clothing using the method that minimizes exposure.

Conditions for Safe Storage

Store in an area that is: cool, well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity). Comply with all applicable health and safety regulations, fire and building codes.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

	ACGIH TLV®		OSHA PEL		AIHA WEEL	
Chemical Name	**TWA**	**STEL**	**TWA**	**Ceiling**	**8-hr TWA**	**TWA**
2-Butoxyethanol	20 ppm		25 ppm			

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear yellow liquid. Particle Size: Not applicable
Odour	Fruity
Odour Threshold	Not applicable
pH	>= 13
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	>= 1.058 (estimated)
Solubility	Soluble in all proportions in water; Not applicable (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable
Decomposition Temperature	Not available
Viscosity	Not applicable (dynamic)

Other Information

Physical State	Liquid
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	Not applicable
Surface Tension	Not applicable
Critical Temperature	Not applicable
Vapour Pressure at 50 deg C	Not applicable
Saturated Vapour Concentration	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

High temperatures. Sunlight. Incompatible materials. Acidic conditions (low pH). Hot surfaces.

Incompatible Materials

Oxidizing agents (e.g. peroxides), strong acids (e.g. hydrochloric acid), organic acids (e.g. acetic acid), inorganic acids (e.g. hydrofluoric acid).

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Skin contact; skin absorption; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
2-Butoxyethanol	925 ppm (rat) (4-hour exposure)	320 mg/kg (rabbit)	300 mg/kg (rabbit)
Sodium Metasilicate	2.06 mg/kg (rat)	857 mg/kg (rat)	5000 mg/kg (rat)
Alcohols, C9-11, ethoxylated, liquids		3000 mg/kg (rabbit)	2000 mg/kg (rat)
Sodium xylenesulfonate		7200 mg/kg (rat)	2000 mg/kg (rabbit)
Dodecylbenzene sulfonate de sodium		480 mg/kg (rat)	
C12-15, Alcool ethoxylé		2000 mg/kg (rat)	2000 mg/kg (rabbit)

Inhalation ATEmix = 68.36 mg/L (4-hour exposure) (dust/mist)
0% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (inhalation)

Oral ATEmix = 3875.46 mg/kg
0% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (oral)

Dermal ATEmix = 4405.29 mg/kg
1% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (dermal)

Skin Corrosion/Irritation

Extremely corrosive and destructive to tissue.

Serious Eye Damage/Irritation

May cause irreversible eye damage.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

EDTA peut causer de la sensibilisaton cutanée et le mélange contient 0.75%=0.1%
Human experience shows allergic skin reactions (skin sensitization). However, exposure did not occur at work.

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. Confirmed animal carcinogen with unknown relevance to humans :
2-butoxyethanol.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
2-Butoxyethanol	1474 mg/L (Oncorhynchus mykiss (rainbow trout))			1840 mg/L (Daphnia magna (water flea))
Sodium Metasilicate	2320 (96-hour)			
Alcohols, C9-11, ethoxylated, liquids	5-10 mg/L (96-hour)	5-10 mg/L (48-hour)		10-100 mg/L (Desmodesmus subspicatus (algae); 72-hour)
Sodium xylenesulfonate	1000 mg/L (96-hour)	1000 mg/L (Daphnia pulex (water flea); 48-hour)		230 mg/kg mg/L (72-hour)
Dodecylbenzene sulfonate de sodium	1.67 mg/L (96-hour)	2.4 mg/L (Daphnia magna (water flea); 48-hour)		47.3 mg/L (Desmodesmus subspicatus (algae); 72-hour)
C12-15, Alcool ethoxylé	5-10 (96-hour)	5-10 (Daphnia magna (water flea); 48-hour)		10-100 (Desmodesmus subspicatus (algae); 72-hour)

Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

Bioaccumulative Potential

No information was located.

Mobility in Soil

Studies are not available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Recommendations in terms of waste treatment: do not dispose of the product through sewers or drains, unless it is diluted or significantly neutralized. Small quantities can be diluted in a large amount of water and disposed of. Bigger quantities have to be disposed of in compliance with the local authorities' standards. Dispose of the product complying with the applicable federal, provincial and local legislations and regulations. Contact your local, provincial or federal environment agency to know the specific norms. Recommendations for unclean packaging: do not reuse the empty containers. The packaging has to be disposed for in compliance with the regulation about packaging. Recommended cleaning products: water. Refer to Section 7: Manipulation and storage and Section 8: Exposition control/ Individual protection to get more information about manipulation and about employees' protection.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	3266	LIQUIDE INORGANIQUE CORROSIF, BASIQUE, N.S.A. (Sodium Metasilicate)	Classe 8	III

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer. birth defects, or any other reproductive harm. This material does not contain any components with a section 304 EHS RQ SARA Title III - Section 311/312: Acute Health Hazard SARA Title III - Section 302: No Chemicals in this material are subjest to the reporting requirements of SARA Title III of LEP SARA Title III - Section 313: The following components are subject to reporting levels established by SARA Title III, Section 313 : 2-butoxyéthanol 111-76-2 3.9714%.

Custom Regulatory 1

Other federal regulations :

Europe :

European Inventory of Existing Commercial Chemical Substances (EINECS) : Yes
Europpean List of Notified Chemical Substances (ELINCS) : No.

SECTION 16. OTHER INFORMATION

Date of Preparation	**février** 22, 2018
Revision Indicators	The following SDS content was changed on décembre 05, 2017: SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION; Exposure Guidelines.
Key to Abbreviations	CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent
References	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). Https://echa.europa.eu/fr/ http://www.csst.qc.ca/Pages/index.aspx. Security data sheets of the suppliers.
Additional Information	The preceding indications are based on our current knowledge but do not represent a guaranty in terms of the product's proprieties and do not establish a legally valid contractual relationship. The manipulation and use conditions of the product go beyond the rep's control. It is the user's responsibility to evaluate all available information before using the product, no matter the type of use, and to respect all local, provincial and federal legislations and laws.