1. Identification

Product identifier:	INO Chef 12
Code :	INO-WW12
Supplier Name :	The Dissan Group Inc. 9900 Bd du Golf, Anjou, QC H1J 3A1
Telephone :	(514) 789-6363
Emergency tel. number:	(514) 789-6363
Available hours:	8h00 - 17h00 Monday to Friday
Recommended use:	Strong Cleaner and Degreaser
Restriction on use :	For commercial, institutional, and industrial use only.

2. Hazard identification

Signal word:	DANGER
Product classification:	Skin corrosion - Category 1 Serious eye damage - Category 1 Corrosive to metals - Category 1 Skin sensibilization – Category 1B
Pictogram :	
Hazard statement:	H314 - Causes severe skin burns and eye damage. H290 - May be corrosive to metals. H317 - May cause an allergic skin reaction.
Precautionary statements, Prevention	Keep only in original packaging. Do not breathe mist, vapors and spray. Wear protective gloves, protective clothing, eye and face protection. Contaminated work clothing should not leave the workplace. Wash hands thoroughly after handling and any other part of the body that may have been exposed to the product.
Precautionary statements, Response	Absorb spillage to prevent material-damage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Immediately call a doctor. Wash contaminated clothing before reuse. In case of irritation or skin rash: Seek medical advice. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Wash contaminated clothing before reuse.
Precautionary statements, Storage	Store locked up. Store in a corrosive resistant with a resistant inner liner.
Precautionary statements, Disposal	Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

3. Composition/ Information on ingredients

CAS No	Name of the components	%(w/w)*
1300-72-7	Sodium xylenesulfonate	5 - 10
68551-12-2	Alcohols, C12-16, ethoxylated	5 – 10
164462-16-2	Methyl glycine diacetic acid trisodium salt	0.5 – 1.5
10213-79-3	Sodium metasilicate pentahydrate	1 – 5
497-19-8	Sodium carbonate	1 – 5
5989-27-5	D-limonene	0.5 – 1.5

*The exact concentration of the components is kept as an industrial secret.

4. First-aid measures

Eye contact:	Check if the victim is wearing contact lenses and, if so, remove them. Rinse the eyes IMMEDIATELY with running water for at least 15 minutes while keeping the eyelids open. Seek medical attention as soon as possible.
Skin contact:	Immediately remove contaminated clothing. Wash the skin with water and soap. Soak the contaminated clothing thoroughly. If irritation persists, consult a doctor.
Inhalation :	Take the victim to a well-ventilated area. Keep the person warm and lying down. Loosen tight clothing. If there is no breathing, irregular breathing, or respiratory arrest, administer artificial respiration or oxygen. Seek medical attention immediately.
Ingestion :	In case of ingestion, rinse mouth with water. Consult a doctor immediately. Do NOT induce vomiting.
Symptoms :	Irritation and corrosion of the skin, eyes, respiratory tract, and digestive system.
Effects acute and delayed :	Perforation of the digestive tract, dysphagia, stenosis, collapse, possible death. Severe skin irritation potentially leading to severe burns. Redness of the eyes, tearing, edema, corneal opacity potentially leading to blindness. Skin contact may cause skin sensitization.
Notes to the doctor:	Treat the symptoms.

5. Fire-fighting measures

Suitable extinguishing media :	Use an extinguishing media suitable for the surrounding materials.
Unsuitable extinguishing media :	No specific data.
Specific hazards arising from the hazardous product :	No specific danger.
Hazardous combustion products :	Carbon monoxide and carbon dioxide. Nitrogen oxides. Sodium oxides.

Special protective equipment and precautions for fire-fighters :	As with any fire, wear a self-contained breathing apparatus, in accordance with MSHA/NIOSH standards (approved or equivalent), and full protective equipment.

6. Accidental release measures

Personal precautions :	Evacuate non-essential personnel from the area. Avoid breathing vapors or mist. Ensure adequate ventilation. Wear appropriate respiratory protection when the ventilation system is inadequate. Wear appropriate personal protective equipment (see Section 8).
Protective equipment and emergency procedures :	Prevent the product from spreading into the environment. Block nearby drains. Use an inert absorbent or spill containment booms designed for this purpose to contain the spill.
Methods and materials for containment and cleaning up :	Stop the leak at source if it can be done without risk. Contain the leaks and collect them using non-combustible absorbent materials such as sand, earth, vermiculite, or any other material designed for this purpose. Place the material in an appropriate container for disposal in accordance with local regulations.

7. Handling and storage

Precautions for safe handling:	"It is essential to wear appropriate personal protective equipment (see Section 8). Eating, drinking, or smoking is prohibited in areas where this product is handled, stored, or processed. Individuals handling this product must wash their hands and face before eating, drinking, or smoking. Contaminated clothing and protective equipment must be removed before entering eating areas. This product should be stored in its original container or in another suitable container made from compatible material and tightly closed when not in use. Empty containers may contain residues and pose a hazard; therefore, reuse is not recommended.
Conditions for safe storage :	Store the product in its original container, in a dry, cool, and well-ventilated area, protected from direct light, and away from incompatible materials (see Section 10) as well as foodstuffs. The container must be tightly closed when not in use. Open containers should be carefully resealed and kept upright to prevent leaks. It is not recommended to store in unlabelled containers.
Incompatibility :	Incompatible with acids and peroxides. Avoid mixing chemicals that are not specifically designed for this purpose.

8. Exposure Controls/ Personal protection

CAS No	Name of the components	8-hour occupational exposure limit (TWA)	15-minute occupational exposure limit (STEL)	Ceiling ccupational exposure limit
1300-72-7	Sodium xylenesulfonate	-	-	-
68551-12-2	Alcohols, C12-16, ethoxylated	-	-	-
164462-16-2	Methyl glycine diacetic acid trisodium salt	-	-	-
10213-79-3	Sodium metasilicate pentahydrate	-	-	-
497-19-8	Sodium carbonate	-	-	-
5989-27-5	D-limonene	-	-	-

* Values from the RSST

Engineering control : Provide adequate general ventilation to maintain concentrations below the limit values.

Mesures de protection individuelle

Eyes : Avoid contact lenses. Wear safety glasses.

Hands and skin : Wear protective gloves suitable for the product. Depending on the use, wear other protective equipment to prevent skin contact.

Respiratory : Normal uses of this product do not require respiratory protection. If conditions require, wear approved equipment.

Others : Long-sleeved clothing and closed-toe shoes. Provide an eyewash station and an emergency shower near areas where this product is handled.

9. Physical and chemical properties

Physical state:	Liquid	Colour :	Yellow-orange	Odour :	Lemon
Odour threshold :	Sans objet	pH :	12.3 – 12.8	Melting/Freezing point :	Similar to water
Initial boiling point/boiling range :	Similar to water	Flash point :	N/A	Flammability (Solids and Gases):	N/A

Lower flammable/explosive limit :	N/A	Upper flammable/explosive limit :	N/A	Auto-ignition temperature :	N/A
Evaporation rate :	N/A	Vapour pressure :	< 17.5 mm Hg at 20 °C	Vapour density :	< 1 (air = 1)
Specific gravity :	1.101 kg/L at 20 °C	Water solubility :	Miscible	Partition coefficient – n-octanol/water :	Not avalaible
Decomposition temperature :	N/A	Kinematic viscosity :	< 20,5 mm^2/s (at 40 °C)		

10. Stability and reactivity

Reactivity :	Non-reactive under normal conditions.
Chemical stability :	Stable under normal conditions.
Possibility of hazardous reactions :	Violent exothermic reaction when in contact with acidic products.
Conditions to avoid :	No specific data.
Incompatible materials :	No specific data.
Hazardous decomposition products :	No specific data.

11. Toxicological information

CAS No	Name of the components	LD_{50} Oral	LD_{50} Dermal	LC_{50} Inhalation
1300-72-7	Sodium xylenesulfonate	Not available	Not available	Not available
68551-12-2	Alcohols, C12-16, ethoxylated	Not available	Not available	Not available
164462-16-2	Methyl glycine diacetic acid trisodium salt	Not available	Not available	Not available
10213-79-3	Sodium metasilicate pentahydrate	Not available	Not available	Not available
497-19-8	Sodium carbonate	2390 mg/kg, Rat	Not available	Not available
5989-27-5	D-limonene	4400 mg/kg, Rat	> 5000 mg/kg, rabbit	Not available

Product information

Acute toxicity :	N/A	Skin corrosion - Skin irritation :	Category 1A
Serious eye damage - Serious eye irritation :	Category 1	Skin or respiratory sensitization :	Skin sensitization : Category 1B
Mutagenicity on germ cells :	N/A	Carcinogenicity :	N/A
Reproductive toxicity :	N/A	Specific target organ toxicity – single exposure :	N/A
Specific target organ toxicity – repeated exposure :	N/A	Aspiration hazard :	N/A

12. Ecological information

Ecotoxicity :	No specific data.
Persistence and degradability. Bioaccumulative potential. Other adverse effects :	No specific data.
Degradability :	No specific data.
Mobility in soil :	No specific data.

13. Disposal considerations

Disposal must be carried out in accordance with federal, provincial, and municipal regulations. Surplus and non-recyclable products should be disposed of through a specialized and authorized company. Precautions must be taken when handling empty containers that have not been cleaned or rinsed.

14. Transport information

TDG

UN Number	Shipping name	Class	Packing group
UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium metasilicate pentahydrate)	8	III

IMGD

UN Number	Shipping name	Class	Packing group
UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium metasilicate pentahydrate)	8	III

IATA

UN Number	Shipping name	Class	Packing group
UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium metasilicate pentahydrate)	8	III

15. Regulatory information

National inventory

CAS No	Name of the components	DSL	TSCA
68551-12-2	Alcohols, C12-16, ethoxylated	X	X
164462-16-2	Methyl glycine diacetic acid trisodium salt	X	X
10213-79-3	Sodium metasilicate pentahydrate	X	X
497-19-8	Sodium carbonate	X	X
5989-27-5	D-limonene	X	X
1300-72-7	Sodium xylenesulfonate	X	X

16. Other information

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