

SECTION 1 - IDENTIFICATION

Product identifier/Trade name:	NEUTRA-BRILLE
Other means of identification:	NEBR
Recommended use:	CONCENTRATED NEUTRAL DETERGENT TO CLEAN AND ADD A BRILLIANT SHINE
Restriction on use:	For industrial, institutional and food plants use only.
Initial supplier identifier:	Chemotec (PM) Inc. 8820 Place Ray-Lawson Anjou, Quebec, Canada H1J 1Z2 Phone: (514) 729-6321; 1-800-729-6321
Emergency phone number:	(613) 996-6666 (CANUTEC)

SECTION 2 - HAZARDS IDENTIFICATION**2a WHMIS 2015 - GHS (Globally Harmonized System) classification**

This product is not classified as dangerous as per GHS criteria.

2b Label elements

None

Precautionary statement

None as per GHS

Signal word:

None as per GHS

Hazard statement

None as per GHS

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	GHS CLASSIFICATION
Ethoxylated alcohol	68131-39-5	1-5	Eye irritation, category 2 Skin irritation, category 2
Sodium dodecylbenzenesulfonate	25155-30-0	1-5	Acute oral toxicity, category 4 Eye irritation, category 2

The actual concentrations are withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

4a Description of first aid measures

Eye contact:

Flush or rinse eyes with water after contact. If eye irritation persists, get medical advice.

Skin contact:

Rinse thoroughly with water. If irritation occurs, get medical advice.

Inhalation:

No effect expected.

Ingestion:

Rinse mouth with water. Never give anything by mouth if the person is unconscious.

4b Most important symptoms and effects

Eye: May cause slight irritation, redness, tears, burning sensation.

Skin: May dry skin. Prolonged contact may cause irritation.

Inhalation: No effect expected.

Ingestion: May cause slight irritation, headache, abdominal pain, diarrhoea, nausea and vomiting.

4c Immediate medical attention and special treatment needed

No special treatment found.

SECTION 5 - FIRE FIGHTING MEASURES

5a Extinguishing media

Suitable extinguishing media:

Water (if possible avoid powerful sprays), foam, dry chemicals, carbon dioxide. Product itself is not flammable.

Unsuitable extinguishing media:

None known.

Specific hazards for product

Hazardous combustion products:

Oxides of carbon, nitrogen, ammonia and other irritating gases.

Special protective equipment and precautions for firefighters

Special fire-fighting procedures/equipment:

During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6a Personal precautions, protective equipment and emergency procedures

Personal protection:

Avoid contact with eyes and skin. Use adequate aeration and ventilation. Floor will be slippery in case of a spill.
Use appropriate personal protection equipment (see section 8)

6b Methods and materials for containment and cleaning:

Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material. Resume cleaning by rinsing with water. Caution: floors will be slippery.

6c Environmental precautions:

Product is biodegradable. Do not let large amounts of product go to the sewers.

SECTION 7 - HANDLING AND STORAGE

7a Precautions for safe handling:

Avoid contact with eyes and skin. When used as directed, no special precautions.

7b Condition for safe storage:

Store in a sealed container in a well-ventilated place. Do not store with food products. Keep from freezing.

7c Special packaging materials: none.

No incompatibility with most materials found in most workplaces.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8a Control parameters

	Ontario Time-weighted Average Limit (TWA)	Ontario Short-Term Exposure Limit (STEL)	Notations
For all ingredients	None established	None established	

8b Engineering controls:

Not required under normal applications.

8c Individual protection measures

Respiratory Protection:

Not required under normal applications.

Skin protection and other protective equipment:

In case of prolonged contact, rubber gloves. Waterproof boots for large spills.

Eye / face protection:

In case of possible contact, safety glasses.

General hygiene considerations:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes and skin. Never eat, drink, or smoke in work areas. Good hygiene is recommended after use of this product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour:

Orange liquid, citrus-orange scent

Odour threshold:

N/Av

pH :

Approximately 7

Melting point and freezing point:

Approximately 0 °C

Boiling point:

Approximately 100 °C

Flash point:	None to boil
Evaporation rate (n-BuAc =1):	Approximately 0.4 (water)
Lower flammable limit (% by volume):	Not applicable
Upper flammable limit (% by volume):	N/Av.
Explosion data - Sensitivity to mechanical impact:	Not sensitive
Explosion data - Sensitivity to static discharge:	Not sensitive
Vapour pressure (mm Hg)	Approximately 20 (water)
Vapour density:	Approximately 0.6 (water)
Specific gravity or density (water = 1 at 4 °C):	Approximately 1 g/cm ³ @ 20 °C
Solubility in water:	Miscible
Partition coefficient – n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature	Not available
Viscosity:	<100 cps @ 25 °C

SECTION 10 - STABILITY AND REACTIVITY

10a Reactivity:

Not applicable when used as directed.

10b Chemical stability :

Stable at room temperature, in normal handling and storage conditions.

10c Possibility of hazardous reactions:

May react with strong oxidizing agents.

10d Conditions to avoid:

Avoid contact with strong oxidizers.

10e Incompatible materials

Strong oxidizers

10f Hazardous decomposition products:

With strong oxidizers: oxides of carbon, nitrogen, ammonia. With strong acids: heat, water vapour.

SECTION 11 - TOXICOLOGICAL INFORMATION

Primary entry route(s): Eye and ingestion.

Eye: May cause an irritation.

Skin: May cause an irritation upon prolonged contact.

Inhalation: Breathing mists coming out of product may cause light irritation.

Ingestion: May cause light irritation, headache, abdominal pain, diarrhoea, nausea and vomiting.

Carcinogenicity:

No ingredients classified as carcinogenic.

Teratogenicity, mutagenicity, other reproductive effects:

No ingredients classified as such.

Skin sensitization:

Product is not expected to cause skin sensitization

Respiratory tract sensitization:

Product is not expected to cause respiratory sensitization

Synergistic materials:

Not available

Other important hazards:

Not available

Toxicological data: The calculated LD₅₀ for this product is greater than 20,000 mg/Kg, oral, rat; our products are not tested on animals.

Ingredient	LD ₅₀ (route, species)	LC ₅₀ # hours (species)
Ethoxylated alcohol	>2,000 mg/Kg (oral, rat) >2,000 mg/Kg (dermal, rabbit)	N/AV.
Sodium dodecylbenzenesulfonate	5,300 mg/Kg (oral, rat) 5,000 mg/Kg (dermal, rabbit)	N/AV.

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION

12a Ecotoxicity :

TOXICITY (Fish)	Results	Exposure time	Method
Ethoxylated alcohol	Bluegill 2.1 mg/L	96H	N/AV.
Sodium dodecylbenzenesulfonate	Pimephales promelas 0.7 mg/L	96H	N/AV.

TOXICITY (Daphnia)	Results	Exposure time	Method
Ethoxylated alcohol	1.9 mg/L	48H	N/AV.
Sodium dodecylbenzenesulfonate	EC50 0.421 mg/L	24H	N/AV.

TOXICITY (Algae)	Results	Exposure time	Method
Ethoxylated alcohol	<i>Selenastrum capricornutum</i> 0,7 mg/L	72H	N/AV.
Sodium dodecylbenzenesulfonate	<i>Selenastrum capricornutum</i> EC50 > 1,81 mg/L	48H	N/AV.

12b Persistence and degradability: Product is expected to be readily biodegradable as per OECD 301.

12c Bioaccumulation potential: Not available

12d Mobility in soil: There is no test data on this product.

12e Other adverse effect No applicable information found

SECTION 13 - DISPOSAL CONSIDERATIONS

Eliminate according to federal, provincial and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION
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Transportation of Dangerous Goods (TDG) in Canada :

Not regulated

UN number

Proper shipping name:

Class:

Packing group:

Special case:

Limited Quantity

SECTION 15 - REGULATORY INFORMATION
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In Canada**WHMIS information:**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and this safety data sheet (SDS) contains all the information required by the HPR.

WHMIS 2015**Classification:**

See section 2a

CEPA information:

Ingredients are listed on the DSL inventory.

SECTION 16 - OTHER INFORMATION

Prepared by: Chemotec (PM) Inc.**Phone number:** (514) 729-6321**Date:** 2017-11-06**References:**

1. Manufacturer'/suppliers' MSDS.
2. Occupational Exposure Limits for Ontario Workplaces required under Regulation 833
3. International Agency for Research on Cancer Monographs
4. The European Chemicals Agency (ECHA) website.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoises
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Av	Not available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the MSDS