

### 29 CFR 1910.1200 (OSHA HazCom 2012)

# SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

Trade name

: OMNI BRITE Concentrated General Purpose Cleaner

### Recommended use of the chemical and restrictions on use

Details of the supplier of the safety data sheet Niteo Products, LLC	Emergency telephone number CHEMTREC DIRECT 1-800-424-9300
P.O. Box 191629 Dallas TX 75219 United States of America	Product Information 1-844-696-4836

### **SECTION 2. HAZARDS IDENTIFICATION**

GHS Classification Skin corrosion	: Category 1
Serious eye damage	: Category 1
GHS Label element Hazard pictograms	
Signal Word	: Danger
Hazard Statements	: Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary Statements	<ul> <li>Prevention: Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</li> </ul>

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IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. 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 CENTER or doctor/ physician.

Wash contaminated clothing before reuse.

### Storage:

Store locked up.

# Disposal:

Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

# SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

### Hazardous components

Chemical Name	CAS-No.	Classification	Concentration (%)
ALCOHOLS, C9-11, ETHOXYLATED	68439-46-3	Acute Tox. 4; H302 Eye Dam. 1; H318	3.01
SODIUM METASILICATE	6834-92-0	Met. Corr. 1; H290	1.77
		Acute Tox. 4; H302	
		Skin Corr. 1; H314	
		Eye Dam. 1; H318	
		STOT SE 3; H335	
BETA-ALANINE, N-(2- CARBOXYETHYL)-N-DODECYL-	14960-06-6	Skin Irrit. 2; H315	1.20
, MONO			
		Eye Dam. 1; H318	
SODIUM HYDROXIDE	1310-73-2	Met. Corr. 1; H290	1.02

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		Skin Corr. 1A; H314 Aquatic Acute 3; H402	

### SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	:	Move to fresh air. If breathed in, move person into fresh air. Keep patient warm and at rest. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	If on skin, rinse well with water. Wash contaminated clothing before re-use.
In case of eye contact	:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye.
If swallowed	:	Get medical attention immediately. Do NOT induce vomiting. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) Cough lung edema (fluid buildup in the lung tissue) Difficulty in breathing Causes serious eye damage. Causes severe burns.
Notes to physician	:	No hazards which require special first aid measures.

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# SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	carbon dioxide and carbon monoxide Hydrogen toxic fumes Carbon oxides Nitrogen oxides (NOx) corrosive vapors Sodium oxides
Specific extinguishing methods	:	
		Product is compatible with standard fire-fighting agents.
Further information	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

# SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Keep in suitable, closed containers for disposal.

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Other information	:	Comply with all applicable federal, state, and local regulations.
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# SECTION 7. HANDLING AND STORAGE

Advice on safe handling	<ul> <li>Do not breathe vapours/dust.</li> <li>When diluting, always add the product to water. Never add water to the product.</li> <li>Container hazardous when empty.</li> <li>Avoid contact with skin and eyes.</li> <li>Smoking, eating and drinking should be prohibited in the application area.</li> <li>For personal protection see section 8.</li> <li>Dispose of rinse water in accordance with local and national regulations.</li> </ul>
Conditions for safe storage	<ul> <li>Keep container tightly closed in a dry and well-ventilated place.</li> <li>Containers which are opened must be carefully resealed and kept upright to prevent leakage.</li> <li>Observe label precautions.</li> <li>Electrical installations / working materials must comply with the technological safety standards.</li> </ul>

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis		
SODIUM HYDROXIDE	1310-73-2	Ceiling	2 mg/m3	ACGIH		
		Ceil_Time	2 mg/m3	NIOSH/GUID E		
		PEL	2 mg/m3	OSHA_TRA NS		

Engineering measures	v a	Provide sufficient mechanical (general and/or local exhaust) rentilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.
Personal protective equipment Hand protection Remarks	: Т	he suitability for a specific workplace should be discussed vith the producers of the protective gloves.
Eye protection	: V	Vear chemical splash goggles and face shield when there is

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Skin and body protection :	mist. Maintain eye w Wear as appro impervious clot Chemical resis Safety shoes Choose body p concentration of Discard gloves	vash pria thing tant prote of th tha	g
Hygiene measures :	When using do	o no ewa n loc	ish stations and safety showers are close to ation.

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid
Colour	: yellow
Odour	: No data available
Odour Threshold	: No data available
рН	: 13 - 14
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: 31.99 hPa (25 °C) Calculated Vapor Pressure
Relative vapour density	: No data available
Relative density	: No data available

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Density	: 1.051 g/cm3
Solubility(ies) Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n- octanol/water	: No data available
Thermal decomposition	: No data available
Viscosity Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Oxidizing properties	: No data available

# SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Product will not undergo hazardous polymerization.
Conditions to avoid	: Exposure to sunlight. Exposure to moisture
Incompatible materials	<ul> <li>Acids <ul> <li>aluminum</li> <li>aluminum salts</li> <li>Copper</li> <li>Copper alloys</li> <li>halogenated hydrocarbons</li> <li>Lead</li> <li>Metals</li> <li>organic nitro compounds</li> <li>Strong bases</li> <li>Strong oxidizing agents</li> <li>Tin</li> <li>water</li> <li>Zinc</li> <li>Do not use with aluminum equipment at temperatures above</li> <li>49C or 120 degrees F.</li> </ul> </li> </ul>
Hazardous decomposition products	carbon dioxide and carbon monoxide

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corrosive vapors Hydrogen Sodium oxides toxic fumes

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation Skin contact Eye Contact Ingestion
Acute toxicity Not classified based on availab <u>Components:</u> ALCOHOLS, C9-11, ETHOXYL Acute oral toxicity	.A1	
Acute dermal toxicity	:	LD 50 (Rabbit): > 5 g/kg
SODIUM METASILICATE: Acute oral toxicity	:	LD 50 (Rat): 1,153 mg/kg Remarks: Corrosive by Ingestion
BETA-ALANINE, N-(2-CARBO) Acute oral toxicity		ETHYL)-N-DODECYL-, MONO: LD50 (Rat): 31,300 mg/kg
Acute dermal toxicity	:	LD50 (Rat): > 5,000 mg/kg
SODIUM HYDROXIDE: Acute oral toxicity	:	LD Lo (Rabbit): 500 mg/kg
Acute inhalation toxicity	:	Assessment: Not classified as acutely toxic by inhalation under GHS. Remarks: Moderate respiratory irritant
Acute dermal toxicity	:	Symptoms: Corrosion Assessment: Not classified as acutely toxic by dermal absorption under GHS.
Skin correction/irritation		

# Skin corrosion/irritation

Causes severe burns.

# Product:

Remarks: Causes severe skin burns and eye damage., The feeling of irritation or pain maybe delayed.

# Components:

ALCOHOLS, C9-11, ETHOXYLATED: Result: Mild to Moderately Irritating

SODIUM METASILICATE:



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Result: Corrosive to skin

BETA-ALANINE, N-(2-CARBOXYETHYL)-N-DODECYL-, MONO: Result: Irritating to skin

SODIUM HYDROXIDE: Result: Corrosive to skin

### Serious eye damage/eye irritation

Causes serious eye damage. Product: Remarks: May cause irreversible eye damage.

### Components:

ALCOHOLS, C9-11, ETHOXYLATED: Result: Corrosive to eyes

SODIUM METASILICATE: Result: Corrosive to eyes

BETA-ALANINE, N-(2-CARBOXYETHYL)-N-DODECYL-, MONO: Result: Corrosive to eyes

SODIUM HYDROXIDE: Result: Corrosive to eyes

### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information. **Components:** BETA-ALANINE, N-(2-CARBOXYETHYL)-N-DODECYL-, MONO: Assessment: Did not cause sensitisation on laboratory animals.

SODIUM HYDROXIDE: Exposure routes: Skin contact Species: Humans Result: negative

 Germ cell mutagenicity

 Not classified based on available information.

 <u>Components:</u>

 BETA-ALANINE, N-(2-CARBOXYETHYL)-N-DODECYL-, MONO:

 Genotoxicity in vitro
 : Remarks: In vitro tests did not show mutagenic effects

Carcinogenicity Not classified based on available information. Reproductive toxicity Not classified based on available information. STOT - single exposure Not classified based on available information. Components: SODIUM METASILICATE: Assessment: May cause respiratory irritation.

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STOT - repeated exposure Not classified based on available information. Aspiration toxicity Not classified based on available information. Further information Product: Remarks: No data available			
Carcinogenicity: IARC	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.		
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.		
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.		

# SECTION 12. ECOLOGICAL INFORMATION

# Ecotoxicity

# Components:

ALCOHOLS, C9-11, ETHOXYLATED:			
Toxicity to fish	<ul> <li>LC 50 (Fathead minnow (Pimephales promelas)): 8.5 - 17 mg/l Exposure time: 96 h Test Type: Renewal</li> </ul>		
Toxicity to daphnia and other aquatic invertebrates	: EC 50 (Water flea (Daphnia magna)): 2.9 - 8.5 mg/l Exposure time: 48 h Test Type: semi-static test		
BETA-ALANINE, N-(2-CARBOXYETHYL)-N-DODECYL-, MONO:			
Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 4.2 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203 Remarks: Information given is based on data obtained from similar substances.		
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 1.7 mg/l Exposure time: 48 h Remarks: Mortality		

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Toxicity to algae	End point: Gro Exposure time: Test Type: stat Method: OECE	: 72 h ic test ) Test Guideline 201 mation given is based on data obtained from			
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	Exposure time End point: Rep	ia magna (Water flea)): 1.5 mg/l : 21 d roduction Test ) Test Guideline 211			
SODIUM HYDROXIDE:					
Toxicity to fish	Exposure time Method: Static	LC 50 (Western mosquitofish (Gambusia affinis)): 125 mg/l Exposure time: 96 h Method: Static Remarks: Mortality			
Toxicity to daphnia and other aquatic invertebrates	: EC 50 (Water f Exposure time Remarks: Intox				
Toxicity to bacteria	: Remarks: Not a	applicable			
Ecotoxicology Assessment Acute aquatic toxicity	: Neutralisation	will reduce ecotoxic effects.			
Chronic aquatic toxicity	: This product ha	as no known ecotoxicological effects.			
Persistence and degradability	y				
<u>Components:</u> ALCOHOLS, C9-11, ETHOXYL Biodegradability	ATED: : Result: Readily	/ biodegradable			
BETA-ALANINE, N-(2-CARBO	XYETHYL)-N-DO	DECYL-, MONO:			
Biodegradability	Biodegradation Exposure time:				
Bioaccumulative potential					
<u>Components:</u> BETA-ALANINE, N-(2-CARBO) Bioaccumulation		DECYL-, MONO: ccumulation is unlikely.			
Partition coefficient: n- octanol/water	: log Pow: < -2.1	2			

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Mobility in soil	
<u>Components:</u> No data available	
Other adverse effects	
No data available	
Product:	
Additional ecological information	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life.
Components:	
SECTION 13. DISPOSAL CONSID	ERATIONS
Disposal methods	
General advice	: The product should not be allowed to enter drains, water courses or the soil.

chemical or used container.

federal regulations.

: Empty remaining contents. Dispose of as unused product.

Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

# SECTION 14. TRANSPORT INFORMATION

### International transport regulations

Contaminated packaging

### REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT /
					LTD. QTY.

Do not contaminate ponds, waterways or ditches with

Dispose of in accordance with all applicable local, state and

Send to a licensed waste management company.

### U.S. DOT - ROAD

	ſ	UN	1719	Caustic alkali liquids, n.o.s. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)	8	II
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### U.S. DOT - RAIL

UN	1719	Caustic alkali liquids, n.o.s.	8	II
		(SODIUM HYDROXIDE,		
		POTASSIUM HYDROXIDE)		

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# U.S. DOT - INLAND WATERWAYS

UN	1719	Caustic alkali liquids, n.o.s. (SODIUM HYDROXIDE,	8	II
		POTASSIUM HYDROXIDE)		

# TRANSPORT CANADA - ROAD

110,0101	0111 0/1			
UN	1719	CAUSTIC ALKALI LIQUID,	8	II
		N.O.S. (SODIUM HYDROXIDE,		
		POTASSIUM HYDROXIDE)		

# TRANSPORT CANADA - RAIL

UN	1719	CAUSTIC ALKALI LIQUID,	8	I
		N.O.S. (SODIUM HYDROXIDE,		
		POTASSIUM HYDROXIDE)		

# TRANSPORT CANADA - INLAND WATERWAYS

UN	1719	CAUSTIC ALKALI LIQUID,	8	ll
		N.O.S. (SODIUM HYDROXIDE,		
		POTASSIUM HYDROXIDE)		

# INTERNATIONAL MARITIME DANGEROUS GOODS

UN	1719	CAUSTIC ALKALI LIQUID,	8	II
		N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)		
		· · · · · ·		

# INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN	1719	Caustic alkali liquid, n.o.s.	8	I
		(SODIUM HYDROXIDE,		
		POTASSIUM HYDROXIDE)		

# INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN	1719	Caustic alkali liquid, n.o.s. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)	8	II

# MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

UN	1719	LIQUIDOS ALCALINOS CAUSTICOS N.E.P. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)	8	II

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### \*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant	no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

### SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

### **CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
SODIUM HYDROXIDE	1310-73-2	1000	97981.579463

### SARA 311/312 Hazards : Acute Health Hazard

SARA 313	This material does not contain any chemical components with
Component(s)SARA 313	known CAS numbers that exceed the threshold (De Minimis)
	reporting levels established by SARA Title III, Section 313.

Pennsylvania Right To Know				
	WATER	7732-18-5	90.00 -	
	ALCOHOLS, C9-11, ETHOXYLATED	68439-46-3	100.00 % 1.00 - 5.00 %	
	SODIUM HYDROXIDE	1310-73-2	1.00 - 5.00 %	
New Jersey Ri	-			
	WATER	7732-18-5		
	ALCOHOLS, C9-11, ETHOXYLATED	68439-46-3		
	SODIUM METASILICATE	6834-92-0		
	BETA-ALANINE, N-(2-CARBOXYETHYL)- N-DODECYL-, MONO	14960-06-6		
	SODIUM HYDROXIDE	1310-73-2		
	WATER	7732-18-5	90.00 - 100.00 %	
	ALCOHOLS, C9-11, ETHOXYLATED	68439-46-3	1.00 - 5.00 %	
	SODIUM METASILICATE	6834-92-0	1.00 - 5.00 %	

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BETA-ALANIN N-DODECYL-,	E, N-(2-CARBOX MONO	YETHYL)-	14960-06-6	1.00 - 5.00 %	
SODIUM HYDF	ROXIDE		1310-73-2	1.00 - 5.00 %	
		esults of a i <b>n the foll</b>	are not required fo a risk assessment. owing inventories	·	
DSL	: All components of this product are on the Canadian DSL.				
AICS	: On the invento	ry, or in co	ompliance with the	inventory	
ENCS	: Not in compliar	nce with th	ne inventory		
KECI	: On the invento	ry, or in co	ompliance with the	inventory	
PICCS	: On the invento	ry, or in co	ompliance with the	inventory	
IECSC	: On the invento	ry, or in co	ompliance with the	inventory	

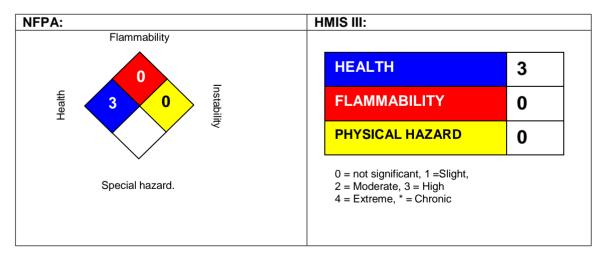
# Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

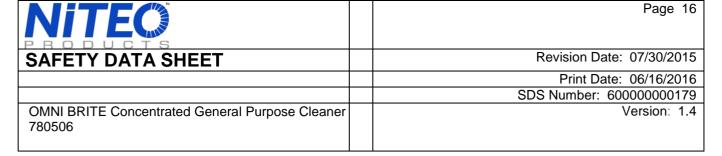
# **SECTION 16. OTHER INFORMATION**

# Further information

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# NFPA Flammable and Combustible Liquids Classification



Not applicable

#### Full text of H-Statements referred to under sections 2 and 3.

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.

Sources of key data used to compile the Safety Data Sheet

Internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

Cefic, the European Chemical Industry Council.

ESIS European Chemical Substances Information System

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Niteo's Environmental Health and Safety Department (1-844-696-4836).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

**BEI : Biological Exposure Index** 

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

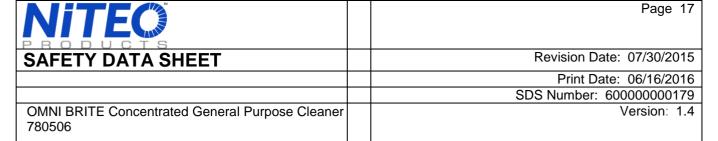
ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit



P-Statement : Precautionary Statement PBT : Persistent , Bioaccumulative and Toxic PPE : Personal Protective Equipment STEL : Short-term exposure limit STOT : Specific Target Organ Toxicity TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act

DOT : Department of Transportation

FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC : Hazardous Materials Information Review Commission

HMIS : Hazardous Materials Identification System

NFPA : National Fire Protection Association

NIOSH : National Institute for Occupational Safety and Health

OSHA : Occupational Safety and Health Administration

PMRA : Health Canada Pest Management Regulatory Agency

RTK : Right to Know

WHMIS : Workplace Hazardous Materials Information System