Safety Data Sheet

BONDERITE C-AK NC909 ALKALINE CLEANER known as NOVACLEAN 909 25KG

SDS No. : 319464
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SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: BONDERITE C-AK NC909 ALKALINE CLEANER known as NOVACLEAN 909 25KG

Intended use: Alkaline Cleaner for Industrial Application

Supplier:

Henkel New Zealand Ltd
2 Allens Rd
East Tamaki
Auckland, 2013
New Zealand
Phone: +64 (9) 272-6710

Emergency Telephone for Chemical Accidents: 24 HOUR EMERGENCY CONTACT NUMBER 0800 243 622

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture
Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).
Classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

GHS Classification:

Hazard Class	Hazard Category	Target organ
Corrosive to metals	Category 1	
Skin corrosion	Sub-category 1B	
Serious eye damage/eye irritation	Category 1	
Target Organ Systemic Toxicant - Single exposure	Category 3	respiratory tract irritation
Acute hazards to the aquatic environment	Category 3	

Hazard pictogram:



Signal word: Danger

Hazard statement(s):
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H402 Harmful to aquatic life.

Precautionary Statement(s):

Prevention:
P234 Keep only in original packaging.
P260 Do not breathe dust or fumes.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340+P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.
P305+P351+P338+P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Get immediate medical advice/attention.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.

Storage:
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

Disposal:
P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description: Mixture

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Sodium metasilicate 5H2O	10213-79-3	20- < 30 %
Trisodium orthophosphate	7601-54-9	10- < 20 %
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	1- < 3 %
Poly(oxy-1,2-ethanediyl), a-(4-nonylphenyl)-w-hydroxy-, branched	127087-87-0	1- < 3 %
non hazardous ingredients~		30- <= 60 %

SECTION 4 FIRST AID MEASURES

Ingestion: Rinse mouth, do not induce vomiting, consult a doctor.

Skin: Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.
Seek medical attention immediately.

Eyes:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical attention.
Inhalation:	Move to fresh air. Keep warm and in a quiet place. Seek medical advice.
First Aid facilities:	Eye wash and safety shower Normal washroom facilities
Medical attention and special treatment:	Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	All common extinguishing agents are suitable.
Decomposition products in case of fire:	Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide. Carbon dioxide. Oxides of phosphorus. Decomposition products include oxides of sodium.
Special protective equipment for fire-fighters:	Wear protective equipment. Wear self-contained breathing apparatus.
Additional fire fighting advice:	In case of fire, keep containers cool with water spray.
Hazchem code:	2X

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation. Avoid skin and eye contact. Wear impervious gloves and chemical splash goggles.
Environmental precautions:	Do not empty into drains / surface water / ground water.
Clean-up methods:	Dispose of contaminated material as waste according to Section 13. Sweep up spilled material. Avoid creating dust. Keep in suitable and closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:	Ensure that workrooms are adequately ventilated. Do not breathe dust. Avoid skin and eye contact. Gloves and safety glasses should be worn
Conditions for safe storage:	Store in a cool, dry place. Keep container tightly sealed. Isolate from incompatible substances.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure standards:

None

Biological Exposure Indices:
None

Eye protection: Wear chemical goggles.

Skin protection: Use of protective coveralls and long sleeves is recommended.
Protective gloves made of rubber.
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

Respiratory protection: If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white
damp

Odor: Mild surfactant

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of temperature and pressure.

Conditions to avoid: None if used for intended purpose.

Incompatible materials: Strong acids.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors.

Carbon monoxide.
Carbon dioxide.
Oxides of phosphorus.
Decomposition products include oxides of sodium.

SECTION 11 TOXICOLOGICAL INFORMATION

Health Effects:

Ingestion: This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Skin: Corrosive to skin.
Symptoms may include redness, burning, drying, cracking and skin burns.

Eyes: Causes serious eye damage.
Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Inhalation: This product is irritating to the respiratory system.
Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Sodium metasilicate 5H2O 10213-79-3	LD50	> 5,000 mg/kg	dermal		rat	not specified
Trisodium orthophosphate 7601-54-9	LD50 LD50	> 2,000 mg/kg > 2,000 mg/kg	oral dermal		rat rat	OECD Guideline 420 (Acute Oral Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts 68081-81-2	LD50 LD50	1,080 mg/kg > 2,000 mg/kg	oral dermal		rat rat	not specified not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Sodium metasilicate 5H2O 10213-79-3	corrosive			not specified
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts 68081-81-2	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Sodium metasilicate 5H2O 10213-79-3	corrosive			not specified
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts 68081-81-2	Category 1 (irreversible effects on the eye)		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Sodium metasilicate 5H2O 10213-79-3	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	not specified

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Sodium metasilicate 5H2O 10213-79-3	negative	not specified			not specified
Sodium metasilicate 5H2O 10213-79-3					not specified

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Sodium metasilicate 5H2O 10213-79-3	NOAEL=227 mg/kg			rat	not specified

SECTION 12. ECOLOGICAL INFORMATION

General ecological information: Do not empty into drains / surface water / ground water.

Ecotoxicity: H402 Harmful to aquatic life.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Sodium metasilicate 5H2O 10213-79-3	LC50	210 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	
Sodium metasilicate 5H2O 10213-79-3	NOEC	> 86.7 mg/l	Fish	30 d	Pimephales promelas	OECD Guideline 210 (fish early lite stage toxicity test)
Sodium metasilicate 5H2O 10213-79-3	EC50	1,700 mg/l	Daphnia	48 h	Daphnia magna	not specified
Sodium metasilicate 5H2O 10213-79-3	EC50	213 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
Sodium metasilicate 5H2O 10213-79-3	EC0	36 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
Sodium metasilicate 5H2O 10213-79-3	EC0	1,000 mg/l	Bacteria	30 min		not specified
Trisodium orthophosphate 7601-54-9	LC50	1,650 mg/l	Fish		Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Trisodium orthophosphate 7601-54-9	EC50	190 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Trisodium orthophosphate 7601-54-9	EC0	1,650 mg/l	Bacteria	30 min		not specified
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts 68081-81-2	LC50	5.9 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	not specified
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts 68081-81-2	NOEC	0.23 mg/l	Fish	72 d	Salmo gairdneri (new name: Oncorhynchus mykiss)	OECD Guideline 210 (fish early lite stage toxicity test)
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts 68081-81-2	EC50	4.4 mg/l	Daphnia	48 h	Daphnia magna	not specified
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts 68081-81-2	NOEC	2.4 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	other guideline:
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts 68081-81-2	ErC50	127.9 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	other guideline:

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts 68081-81-2	readily biodegradable	aerobic	85 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal of product: Dispose of in accordance with local and national regulations.

Disposal for uncleaned package: Collection and delivery to recycling enterprise or other registered elimination institution.

SECTION 14. TRANSPORT INFORMATION

Dangerous Goods information:

Land Transport:
Classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

Land Transport:

UN no.:	3253
Proper shipping name:	DISODIUM TRIOXOSILICATE (mixture)
Class or division:	8
Packing group:	III
Hazchem code:	2X

Marine transport IMDG:

UN no.:	3253
Proper shipping name:	DISODIUM TRIOXOSILICATE (mixture)
Class or division:	8
Packing group:	III
EmS:	F-A ,S-B
Seawater pollutant:	-

Air transport IATA:

UN no.:	3253
Proper shipping name:	Disodium trioxosilicate (mixture)
Class or division:	8
Packing group:	III
Packing instructions (passenger)	860
Packing instructions (cargo)	864

SECTION 15. REGULATORY INFORMATION

New Zealand regulatory information:
Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

HSNO Approval Number: HSR002609

NZIoC: Compliant for NZIOC

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:

HSNO - Hazardous Substances and New Organisms
GHS: Globally Harmonized System
CAS: Chemical Abstracts Service
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

Reason for issue:

First issue. involved chapters: 1-16

Disclaimer:

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