



Safety Data Sheet

BONDERITE C-AK 187 DR EXPORT ALKALINE CLEANER
known as NOVACLEAN 187 DR EXPORT 1000KG

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V001.4

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Section 1. Identification of the substance/preparation and of the company/undertaking

Product name: BONDERITE C-AK 187 DR EXPORT ALKALINE CLEANER known as
NOVACLEAN 187 DR EXPORT 1000KG

Identification of manufacturer, importer or distributor

Importer: Henkel Malaysia Sdn Bhd 46th Floor, Menara TM, Jalan Pantai Baharu, 59200 Kuala Lumpur, Malaysia. Phone
:+ 603 22461000 Fax : + 60322461188

**E-mail address of person
responsible for Safety Data
Sheet:** ap-ua-psra.sea@henkel.com

Section 2. Composition / information on ingredients

Declaration of ingredients:

Hazardous components CAS-No.	EINECS	content	Classification
Sodium hydroxide 1310-73-2	215-185-5	10 - 30 %	C - Corrosive; R35

Section 3. Hazards identification

Hazard classification: C - Corrosive

Risk phrases: R35 Causes severe burns.

Section 4. First aid measures

Inhalation: Move to fresh air.
If breathing is difficult, give oxygen.
If not breathing, give artificial respiration.
Seek medical advice.

Skin contact: Immediately remove soiled or soaked clothing.
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention
from a specialist.

Eye contact: In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes,
and seek immediate medical attention.

Ingestion: Do not induce vomiting.
Immediate medical treatment necessary.

Section 5. Fire fighting measures

- Suitable extinguishing media:** Foam, extinguishing powder, carbon dioxide.
- Special protection equipment for firefighters:** Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).
- Combustion behaviour:** Non-flammable (aqueous solution).

Section 6. Accidental release measures

- Personal precautions:** Isolate area. Keep unnecessary personnel away.
Wear appropriate personal protective equipment.
- Environmental precautions:** Do not allow to enter the ground / soil.
- Clean-up methods:** Take up with liquid-absorbing material (sand).
Store in a closed container until ready for disposal.

Section 7. Handling and storage

- Handling:** Avoid contact with eyes, skin and clothing.
Use only in well-ventilated areas.
Wear suitable protective clothing, gloves and eye/face protection.
When using do not eat, drink or smoke.
Wash hands before breaks and immediately after handling the product.
- Storage:** Isolate from incompatible substances.
Store in original container until ready to use.

Section 8. Exposure controls / personal protection

Ingredient	Type	ppm	mg/m ³	Remarks
SODIUM HYDROXIDE 1310-73-2	Ceiling Limit Value:		2	ACGIH
SODIUM HYDROXIDE 1310-73-2	Ceiling Limit Value:		2	MY OEL

- Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection:** Use impervious gloves.
- Eye protection:** Wear face shield.
Protective goggles
- Body protection:** apron
protective boots
- Engineering controls:** Ensure adequate ventilation, especially in confined areas.
- General protection and hygiene measures:** Good industrial hygiene practices should be observed.

Section 9. Physical and chemical properties

- Appearance:** light yellow
Liquid
- Melting point:** Not available.
- pH:** 13,10
- Flash point:** Not applicable

Ignition temperature

Not applicable

Section 10. Stability and reactivity**Conditions to avoid:**Excessive heat.
Store away from incompatible materials.**Materials to avoid:**Reaction with strong oxidants.
Reactive metals.
Reaction with strong acids.**Hazardous decomposition products:**

In case of fire toxic gases can be released.

Section 11. Toxicological information**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Sodium hydroxide 1310-73-2	LDLo	500 mg/kg	oral		rabbit	

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Sodium hydroxide 1310-73-2	corrosive		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Sodium hydroxide 1310-73-2	negative	bacterial reverse mutation assay (e.g Ames test)	no data		

Section 12. Ecological information**General ecological information:**

Because of the high pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. If used properly the product does not enter the drains.

Ecotoxicity:

Do not empty into drains / surface water / ground water.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Sodium hydroxide 1310-73-2	LC50	189 mg/l	Fish	48 h	Leuciscus idus melanotus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Sodium hydroxide 1310-73-2	EC50	> 100 mg/l	Daphnia		Daphnia sp.	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Section 13. Disposal considerations**Product**

Method of disposal: In consultation with the responsible local authority, must be subjected to special treatment:
Neutralisation

Packaging

Disposal for uncleaned package: Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Section 14. Transport information**Road transport ADR:**

Class: 8
Packaging group: II
Classification code: C5
Hazard ident. number: 80
UN no.: 1824
Label: 8
Technical name: SODIUM HYDROXIDE SOLUTION

Railroad transport RID:

Class: 8
Packaging group: II
Classification code: C5
Hazard ident. number: 80
UN no.: 1824
Label: 8
Technical name: SODIUM HYDROXIDE SOLUTION

Inland water transport ADN:

Class: 8
Packaging group: II
Classification code: C5
Hazard ident. number: 80
UN no.: 1824
Label: 8
Technical name: SODIUM HYDROXIDE SOLUTION

Marine transport IMDG:

Class: 8
Packaging group: II
UN no.: 1824
Label: 8

EmS:	F-A ,S-B
Seawater pollutant:	-
Proper shipping name:	SODIUM HYDROXIDE SOLUTION

Air transport IATA:

Class:	8
Packaging group:	II
Packaging instructions (passenger)	851
Packaging instructions (cargo)	855
UN no.:	1824
Label:	8
Proper shipping name:	Sodium hydroxide solution

Section 15. Regulations - classification and identification

Indication of danger:	C - Corrosive
Risk phrases:	R35 Causes severe burns.
Safety phrases:	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S60 This material and its container must be disposed of as hazardous waste.

Global inventory status:

Regulatory list	Notification
TSCA	yes
AICS	yes
DSL	yes
ENCS (JP)	yes
KECI (KR)	yes
PICCS (PH)	yes
INV (CN)	yes

Section 16. Other information

Issue date:	13.11.2014
Disclaimer	This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties. This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and it's subsequent amendments, and Commission Directive 1999/45/EC.