

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 02.06.2015

Printing date: 27.02.2017

Replaces version from: 29.11.2013

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE
AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

NA Marine HOB25kg RWE

Contains

Sodium hydroxide

Relevant identified uses of the substance or mixture and uses advised against

Intended use:

Cleaners for industrial metal working

Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

Henkel Belgium N.V.

Esplanade 1

1020

Brussels

Belgium

Phone:

+32 (2) 421 2711

Fax-no.:

+32 (2) 420 7025

ua-productsafety.de@henkel.com

Emergency telephone number:

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (CLP):**

Corrosive to metals Category 1

H290 May be corrosive to metals.

Skin corrosion Category 1A

H314 Causes severe skin burns and eye damage.

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2.2. Label elements**Label elements (CLP):****Hazard pictogram:****Signal word:**

Danger

Hazard statement:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statement:

P260 Do not breathe dust.

PreventionP280 Wear protective gloves/protective clothing/
eye protection/face protection.**Precautionary statement:**

P303+P361+P353 IF ON SKIN (or hair):

Take off immediately all contaminated clothing.

ResponseP303+P361+P353 IF ON SKIN (or hair): Take off immediately all
contaminated clothing. Rinse skin with water/ shower.

Rinse skin with water/ shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for
several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

2.3. Other hazards

None if used properly.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Base substances of preparation:

alkalis

Phosphates

inorganic salts

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Sodium hydroxide 1310-73-2	215-185-5 01-2119457892-27	25- 50 %	Met. Corr. 1 H290 Skin Corr. 1A H314
Sodium carbonate 497-19-8	207-838-8 01-2119485498-19	25- 50 %	Eye Irrit. 2 H319
sodium metasilicate 6834-92-0	229-912-9 01-2119449811-37	5- 10 %	Met. Corr. 1 H290 STOT SE 3 H335 Skin Corr. 1B H314

For full text of the H - statements and other abbreviations see section 16 "Other information".

Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to Detergent Regulation 648/2004/EC

soap 5 - 15 %

phosphates < 5 %

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:

Remove person from dust-contaminated zone.

Immediate medical treatment necessary.

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Skin contact:

Immediately rinse with copious amounts of running water (for 10 minutes). Remove contaminated clothes. Put on a bandage with sterile gauze, seek medical attention in hospital

Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 15 minutes. Hold eyelid wide-open. Seek a doctor/hospital, eye flushing should continue during transportation to a doctor.

Ingestion:

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.
Immediate medical treatment necessary.

4.2. Most important symptoms and effects, both acute and delayed

Causes burns.

4.3. Indication of any immediate medical attention and special treatment needed

See section: Description of first aid measures

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media****Suitable extinguishing media:**

Carbon dioxide.
extinguishing powder

Extinguishing media which must not be used for safety reasons:

Water

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in fires.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Additional information:

The product itself does not burn. Any fire extinguishing action should be appropriate to the surroundings.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Remove mechanically.

Wash away residue with plenty of water.

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid skin and eye contact.

Do not breathe dust.

Avoid dust formation.

Ensure that workrooms are adequately ventilated.

When diluting/dissolving always slowly stir the product into water. Do not add product to hot water or hot solutions. Heating with vigorous, sudden delayed boiling is possible! Scalding hazard!

See advice in section 8

Hygiene measures:

Do not eat, drink or smoke while working.

Keep away from food, beverages and animal feed.

Wash contaminated clothing before reuse.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container.

Do not use packing made of metal.

Keep container in a well ventilated place.

Keep container tightly sealed.

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Store in a cool, frost-free place.

Keep only in original container.

Do not store together with strong acids.

7.3. Specific end use(s)

Cleaners for industrial metal working

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limits

Valid for Germany

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION		10	Exposure limit(s):	2	TRGS 900
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION		1,25	Exposure limit(s):		TRGS 900

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Disodium metasilicate 6834-92-0	aqua (freshwater)					7,5 mg/L	
Disodium metasilicate 6834-92-0	aqua (marine water)					1 mg/L	
Disodium metasilicate 6834-92-0	aqua (intermittent releases)					7,5 mg/L	
Disodium metasilicate 6834-92-0	STP					1000 mg/L	

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Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Sodium hydroxide 1310-73-2	Workers	Inhalation	Long term exposure - local effects		1 mg/m ³	
Sodium hydroxide 1310-73-2	general population	Inhalation	Long term exposure - local effects		1 mg/m ³	
Sodium carbonate 497-19-8	Workers	Inhalation	Long term exposure - local effects		10 mg/m ³	
Sodium carbonate 497-19-8	general population	Inhalation	Acute/short term exposure - local effects		10 mg/m ³	
Disodium metasilicate 6834-92-0	Workers	Dermal	Long term exposure - systemic effects		1,49 mg/kg bw/day	
Disodium metasilicate 6834-92-0	Workers	Inhalation	Long term exposure - systemic effects		6,22 mg/m ³	
Disodium metasilicate 6834-92-0	general population	Dermal	Long term exposure - systemic effects		0,74 mg/kg bw/day	
Disodium metasilicate 6834-92-0	general population	Inhalation	Long term exposure - systemic effects		1,55 mg/m ³	
Disodium metasilicate 6834-92-0	general population	oral	Long term exposure - systemic effects		0,74 mg/kg bw/day	

8.2. Exposure controls:

Engineering controls:

Thorough dedusting.

Respiratory protection:

In case of dust formation, we recommend wearing of appropriate respiratory protection equipment with particle filter P.

This recommendation should be matched to local conditions.

Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR; ≥ 1 mm thickness) or natural rubber (NR; ≥ 1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; ≥ 1 mm thickness) or natural rubber (NR; ≥ 1 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs

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of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Goggles which can be tightly sealed.

Skin protection:

Protective clothing that covers arms and legs.

9.1. Information on basic physical and chemical properties

Appearance	solid material powder beige
Odor	no valuation
Odour threshold	No data available / Not applicable
pH	12,5
(20 °C (68 °F); Conc.: 1,0 % product; Solvent: Water)	
Initial boiling point	No data available / Not applicable
Flash point	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density	0,820 g/cm3
0	
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative)	Soluble
(20 °C (68 °F); Solvent: Water)	
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

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9.2. Other information

No data available / Not applicable

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Reaction with acids: production of heat and carbon dioxide.

Reacts with water: generation of heat.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if used according to specifications.

10.5. Incompatible materials

See section reactivity

10.6. Hazardous decomposition products

None if used for intended purpose.

In case of fire toxic gases can be released.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Skin irritation:

Causes severe skin burns and eye damage.

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Acute oral 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	
Sodium carbonate 497-19-8	LD50	2.800 mg/kg	oral		rat	

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Sodium carbonate 497-19-8	Acute toxicity estimate (ATE)	5,1 mg/l	Aerosol			Expert judgement
Sodium carbonate 497-19-8	LC50		Aerosol	2 h	rat	

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Sodium carbonate 497-19-8	LD50	> 2.000 mg/kg	dermal		rabbit	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Sodium carbonate 497-19-8	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
sodium metasilicate 6834-92-0	corrosive	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

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)
Sodium carbonate 497-19-8	irritating		rabbit	

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Sodium hydroxide 1310-73-2	not sensitising	Patch-Test	human	

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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		
Sodium carbonate 497-19-8	negative	bacterial reverse mutation assay (e.g Ames test)	with		Ames Test
sodium metasilicate 6834-92-0	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
sodium metasilicate 6834-92-0	NOAEL=792 mg/kg	oral: drinking water	2 yearscontinuous	rat	

SECTION 12: ECOLOGICAL INFORMATION

General ecological information:

Mainly inorganic product. Biodegradation information refers only to organic component(s).

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

Locally harmful for aquatic and landliving organisms because of high pH and corrosive properties.

Other adverse effects:

If acidic or alkaline products are discharged into wastewater installations care must be taken that the discharged wastewater has a pH in the range pH 6 - 10, as pH variations could cause disorders in wastewater channels and biological sewage treatment plants. The local discharge regulations take precedence.

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12.1. 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)
Sodium carbonate 497-19-8	LC50	300 mg/l	Fish	96 h	Lepomis macrochirus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Sodium carbonate 497-19-8	EC50	200 - 227 mg/l	Daphnia	48 h	Ceriodaphnia sp.	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Sodium carbonate 497-19-8	EC50	137 mg/l	Algae	5 d	Nitzschia sp.	OECD Guideline 201 (Alga, Growth Inhibition Test)
sodium metasilicate 6834-92-0	LC50	210 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	
sodium metasilicate 6834-92-0	EC50	1.700 mg/l	Daphnia	48 h	Daphnia magna	
sodium metasilicate 6834-92-0	EC0	36 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
	EC50	213 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09

12.2. Persistence and degradability

Persistence and degradability:

Degradation of surfactants

Due to the ingredients, the product is not subject to the EU Detergent Regulation (EC/648/2004)

Ultimate biodegradation:

The material is degraded quickly. All individual organic components contained in the product are, if finely dispersed, with at least 60% BOD28/COD in the Closed Bottle Test or with at least 70% DOC removal in the Modified OECD Screening Test, readily biodegradable according to the OECD classification.

12.3. Bioaccumulative potential / 12.4. Mobility in soil

No data available.

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12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Sodium hydroxide 1310-73-2	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
sodium metasilicate 6834-92-0	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Dispose of in accordance with local and national regulations.

Waste code

070699

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

ADR	3262
RID	3262
ADN	3262
IMDG	3262
IATA	3262

14.2. UN proper shipping name

ADR CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide,Sodium metasilicate)

RID CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
(Sodium hydroxide,Sodium metasilicate)

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
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E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

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ADN CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide,Sodium metasilicate)
IMDG CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide,Sodium metasilicate)
IATA Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide,Sodium metasilicate)

14.3. Transport hazard class(es)

ADR 8
RID 8
ADN 8
IMDG 8
IATA 8

14.4. Packaging group

ADR II
RID II
ADN II
IMDG II
IATA II

14.5. Environmental hazards

ADR not applicable
RID not applicable
ADN not applicable
IMDG not applicable
IATA not applicable

14.6. Special precautions for user

ADR not applicable
Tunnelcode: (E)
RID not applicable
ADN not applicable
IMDG not applicable
IATA not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

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SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content 0 %
(1999/13/EC)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK: WGK = 1, slightly water endangering product.
Classification according to the mixture rules in Germany
VwVwS regulation annex 4 from 27.July 2005

Storage class according to TRGS 510: 8B

SECTION 16: OTHER INFORMATION

The labelling of the product is indicated in Section 2. The full text
of all abbreviations indicated by codes in this safety data sheet are as follows:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Further information:

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.

Label elements (DPD):**C - Corrosive****CP METAL CHEMICALS B.V.**

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Risk phrases:

R35 Causes severe burns.

Safety phrases:

S22 Do not breathe dust.

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).

Contains:

Sodium hydroxide

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.

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