


SECTION 1: Identification of the substance / preparation and of the company
1.1 Product identifier

IEC A* detergent base powder

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

Detergent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet
Company

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1.4 Emergency phone
Company

+49-2157-871977 Mo-Fr 8:00-17:00

SECTION 2: Hazards identification
2.1 Classification of the substance or mixture
2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Dam. 1: H318 Causes serious eye damage.
Skin Irrit. 2: H315 Causes skin irritation.

2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

Xi, Irritant - R 41: Risk of serious damage to eyes.

2.2 Label elements

The product is classified and required to be labelled in accordance with EC-Directives

Labelling according to Regulation (EC) 1272/2008
Hazard pictograms

Signal word

DANGER

Contains:

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide

Fatty alcohol, ethoxylated

Silicic acid, sodium salt (MV >1,6-<2,6)

Hazard statements

H318 Causes serious eye damage.

H315 Causes skin irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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/doctor.

Cleaner, 648/2004/CE, contains:

5 - <15% non-ionic surfactants

5 - <15% anionic surfactant

>=30% Zeolites

< 5% soap

< 5% polycarboxylates

< 5% phosphonates

optical brighteners

enzymes



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2.3 Other hazards

Other hazards

Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
10 - < 20	Sodium carbonate CAS: 497-19-8, EINECS/ELINCS: 207-838-8, EU-INDEX: 011-005-00-2 GHS/CLP: Eye Irrit. 2: H319 EEC: Xi, R 36
10 - < 15	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide EINECS/ELINCS: 932-051-8, ECB-Nr.: 01-2119565122-48-XXXX GHS/CLP: Eye Dam. 1: H318 - Skin Irrit. 2: H315 - Aquatic Chronic 3: H412 EEC: Xi, R 38-41
1 - < 10	Fatty alcohol, ethoxylated CAS: 66455-15-0, EINECS/ELINCS: Polymer GHS/CLP: Acute Tox. 4: H302 - Eye Dam. 1: H318 EEC: Xn-N, R 22-41
1 - < 5	Silicic acid, sodium salt (MV >1,6-<2,6) CAS: 1344-09-8, EINECS/ELINCS: 215-687-4 GHS/CLP: Eye Dam. 1: H318 - STOT SE 3: H335 - Skin Irrit. 2: H315 EEC: Xi, R 37/38-41

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%. For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated soaked clothing immediately and dispose of safely.

Inhalation

Seek medical advice immediately.
Ensure supply of fresh air.

Skin contact

When in contact with the skin, clean with soap and water.
In the event of symptoms seek for medical treatment.

Eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Shield unaffected eye.

Ingestion

Consult a doctor immediately.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

Unknown risk of formation of toxic pyrolysis products.



5.3 Advice for firefighters

Use self-contained breathing apparatus.
Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Avoid dust formation.
Use personal protective clothing.
Use breathing apparatus if exposed to dust.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Avoid raising dust.
Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Avoid the formation and deposition of dust.
Provide vacuuming if dust raised.

After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Do not eat, drink, smoke or take drugs at work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Provide alkali-resistant floor.
Do not store together with acids.
Keep container in a well-ventilated place.
Keep container tightly closed.
Keep in a cool place. Store in a dry place.
The product is hygroscopic.
Storage class 13 (VCI)

7.3 Specific end use(s)

See product use, SECTION 1.2



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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

not applicable

DNEL

Range [%]	Substance
10 - < 15	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide
	Industrial, inhalative, Long-term - systemic effects: 12 mg/m ³ .
	Industrial, dermal, Long-term - systemic effects: 170 mg/kg.
	general population, oral, Long-term - systemic effects: 0,85 mg/kg.
	general population, inhalative, Long-term - systemic effects: 3 mg/m ³ .
	general population, dermal, Long-term - systemic effects: 85 mg/kg.

PNEC

Range [%]	Substance
10 - < 15	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide
	soil, 35 mg/kg.
	sediment (seaater), 8,1 mg/kg.
	sediment (freshwater), 8,1 mg/kg.
	sewage treatment plants (STP), 5,6 mg/l.
	seawater, 0,0268 mg/l.
	freshwater, 0,268 mg/l.

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. To pay attention to dust limit value (ACGHI-2011: 10 mg/m ³ particle inhalable; 3 mg/m ³ particle respirable).
Eye protection	Tightly fitting goggles.
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: Butyl rubber, >480 min (EN 374). In splash contact Butyl rubber, >480 min (EN 374).
Skin protection	Alkali-resistant protective clothing.
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin. Do not inhale dust.
Respiratory protection	Respiratory protection in the case of dust formation. Short term: filter apparatus, filter P2.
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Powder
Color	white
Odor	mild
Odour threshold	not applicable
pH-value	alkaline
pH-value [1%]	ca. 10,9 (10 g/l)
Boiling point [°C]	not determined
Flash point [°C]	not applicable
Flammability [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not applicable
Density [g/ml]	not determined
Bulk density [kg/m ³]	ca. 750
Solubility in water	soluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with acids.
Reactions with oxidizing agents.

10.4 Conditions to avoid

Contact with moisture.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No hazardous decomposition products known.



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
1 - < 10	Fatty alcohol, ethoxylated, CAS: 66455-15-0
	LD50, dermal, Rat: > 2000 mg/kg bw.
	LD50, oral, Rat: > 300 - 2000 mg/kg bw.
10 - < 20	Sodium carbonate, CAS: 497-19-8
	LD50, oral, Rat: 4090 mg/kg (IUCLID).
	LC50, inhalative, Rat: 5750 mg/l 2 h (OECD 403).
1 - < 5	Silicic acid, sodium salt (MV >1,6-<2,6), CAS: 1344-09-8
	LD50, oral, Rat: 1300-2200 mg/kg.
10 - < 15	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide
	LD50, dermal, Rat: > 2000 mg/kg (OECD 402).
	LD50, oral, Rat: 2000-5000 mg/kg (OECD 401).
	NOAEL, dermal, mouse: 440 mg/kg (OECD 411).
	NOAEL, oral, Rat: 85 mg/kg.
	LOAEL, oral, Rat: 145 mg/kg.

Serious eye damage/irritation Risk of serious damage to eyes.

Skin corrosion/irritation Irritant

Respiratory or skin sensitisation not determined

Specific target organ toxicity — single exposure not determined

Specific target organ toxicity — repeated exposure not determined

Mutagenicity not determined

Reproduction toxicity not determined

Carcinogenicity not determined

General remarks

Toxicological data of complete product are not available.

The product was classified on the basis of the calculation procedure of the preparation directive.

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.



SECTION 12: Ecological information

12.1 Toxicity

Range [%]	Substance
1 - < 10	Fatty alcohol, ethoxylated, CAS: 66455-15-0
	LC50, (96h), Cyprinus carpio: > 1 - 10 mg/l (OECD 203).
	EC50, (72h), Desmodesmus subspicatus: > 1 - 10 mg/l (OECD 201).
	EC50, (48h), Daphnia magna: > 1 - 10 mg/l (OECD 202).
10 - < 20	Sodium carbonate, CAS: 497-19-8
	LC50, (96h), Lepomis macrochirus: 300 mg/l (IUCLID).
	EC50, (48h), Daphnia magna: 265 mg/l (IUCLID).
1 - < 5	Silicic acid, sodium salt (MV >1,6-<2,6), CAS: 1344-09-8
	LC50, fish: > 100 mg/l (pH 9).
	EC50, Bacteria: > 100 mg/l (pH 9).
10 - < 15	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide
	LC50, (96h), Cyprinus carpio: >1 - 10 mg/l (OECD 203).
	EC50, (48h), Cyprinus carpio: >1 - 10 mg/l (OECD 202).
	EC50, Pseudomonas putida: 63 mg/l/17h (ISO 10712).
	NOEC, (21d), Daphnia magna: >1 - 10 mg/l (OECD 211).
	NOEC, (72h), Oncorhynchus mykiss: > 0,1 - 1 mg/l.
	ErC50, (72h), Scenedesmus subspicatus: >10 - 100 mg/l (OECD 201).

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant The product can cause foaming in sewage treatment plants.

Biological degradability The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment or into the drainage.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended)

070608*
200129*

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Uncontaminated packaging may be taken for recycling.

Waste no. (recommended)

150110*

SECTION 14: Transport information

14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 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

EEC-REGULATIONS	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
- Observe employment restrictions for people	Observe employment restrictions for young people.
- VOC (1999/13/CE)	not applicable

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 R-phrases (SECTION 3)

R 36: Irritating to eyes.
R 38: Irritating to skin.
R 41: Risk of serious damage to eyes.
R 22: Harmful if swallowed.
R 37/38: Irritating to respiratory system and skin.

16.2 Hazard statements (SECTION 3)

H335 May cause respiratory irritation.
H302 Harmful if swallowed.
H412 Harmful to aquatic life with long lasting effects.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

16.3 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV®/STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative



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16.4 Other information

Customs Tariff

not determined

Classification procedure

Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)

Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)

Modified position

none



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