

SAFETY DATA SHEET

Version: 2.0

Date of issue: January 5, 2014

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Product name:

HYDROSTOP-MIESZANKA PROFESsional, HYDROSTOP-COMPOUND, HYDROSTOP-FIX, HYDROSTOP-MORTAR, HYDROSTOP REPER, HYDROSTOP-FILLER, HYDROSTOP-INJECT, HYDROSTOP-ELASTIC (dry ingredient), HYDROSTOP SUPERELASTIC (dry ingredient).

Conforms to Regulation (EC) no. 1907/2006 (REACH), Annex II – Poland

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade names and product codes:

HYDROSTOP-PROFESSIONAL no. 209,
HYDROSTOP-COMPOUND no. 203,
HYDROSTOP-FIX no. 302, 303, 304,
HYDROSTOP-MORTAR no. 401,
HYDROSTOP-REPER no. 423,
HYDROSTOP-SZPACHLOWY no. 453,
HYDROSTOP-INJECT np. 721,
HYDROSTOP-ELASTIC no. 502,
HYDROSTOP-SUPERELASTIC no. 504.

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

Relevant uses: Waterproofing product for use in construction on water-resistant substrates (usually mineral)

Uses advised against: Waterproofing of surfaces other than those of buildings, structures and their facilities; contact with food and drinking water if a given product is not certified safe for contact with food

1.3. Details of the supplier of the safety data sheet:

Name: Hydrostop ZWMI Paweł Grzegorzewicz

Adres: ul. Brzewska 10, 03-046 Warszawa, Poland

Telephone: +48 501225391, +48 228110895

Internet: www.hydrostop.pl

E-mail: biuro@hydrostop.pl

Person responsible for the safety data sheet: Paweł Grzegorzewicz, telephone +48 501225391

1.4. Emergency telephone numbers

Toxicology information in Poland +48 426314724 (from 7 a.m. to 3 p.m.)

998 or 112

Nearest fire department

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

In compliance with directive 1999/45/EC

Classification:

Xi – irritant

R36/37/38 – Irritating to eyes, respiratory system and skin

R43 – May cause sensitisation by skin contact

Main exposure types:

If inhaled: yes

If on skin/eyes: yes

If swallowed: yes

Human health hazards: Irritating to eyes, skin and mucous membranes.

May cause sensitisation by skin contact.

2.2. Label elements

Hazard pictograms:

(tu wstawiony symbol Xi)

Contains: Portland cement, sodium carbonate (anhydrous), silica

Risk phrases:

R37/38 Irritating to respiratory system and skin

R41 Risk of serious damage to eyes

R43 May cause sensitisation by skin contact

Safety phrases:

S22 Do not breathe dust

S24 Avoid contact with skin

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

N/A

3.2. Mixtures

Mixture of cement, sodium carbonate, non-toxic fillers and modifying additives

(tabela)

Name	%	CAS	EINECS	HAzard pictogram	R-phrases
Sodium carbonate	0-10	497-19-8	207-838-8	Xi 36/37/38	
Portland cement	0-95	65997-15-1	266-043-4	Xi 36/37/38/43	
Silica	0-75	14808-60-7	238-878-4	- -	

SECTION 4: FIRST AID MEASURES

First of all remove the person exposed from the contaminated environment. Contact a doctor or poison center if necessary.

4.1. Description of first aid measures

Skin contact: Remove contaminated clothing.

Wash the skin thoroughly with soap and water.

Seek medical attention if necessary.

Eye contact: Wash with running water for 10-15 minutes; avoid high water pressure which can cause eye damage.

Note:

4.1. Irritation from inhalation

1. Ensure access of fresh air. Place the person exposed in recovery position. 2. Provide medical attention if necessary.

4.2. Eye contamination

1. Carefully clean the closed eyes with a soft brush. Rinse thoroughly for 10-15 minutes with cold water only, keeping the eyelids open. Avoid high water pressure which can cause eye damage. 2. In case of pain pour 1-2 drops of castor oil to alleviate the pain. Protect the eyes with gauze. 3. If necessary, consult an ophthalmologist.

4.3. Skin contamination

1. Remove contaminated clothing. Clean the contaminated areas of the skin mechanically and wash the skin. 2. Burns should be rinsed with plenty of water and then with a 1% solution of acetic acid, dressed with gauze with a 6% solution of tannin or boric acid ointment. 3. If the skin irritation persists, consult a dermatologist.

4.4. Poisoning from swallowing

1. The first measure is to drink plenty of water with an addition of activated carbon and magnesium oxide. 2. Transfer to a hospital if necessary.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

According to the nature of the fire of adjacent objects.

5.2. Special hazards arising from the substance or mixture

Solid, non-flammable materials. They do not fuel fire.

5.3. Advice for firefighters

N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

General advice

If product are released into the environment, collect with a shovel into polyethylene bags.

Personal precautions, protective equipment and emergency procedure

Avoid contact with the dust. Use protective clothing, gloves, tight goggles and tight masks for

respiratory tract protection from the dust.

Environmental precautions

Cover released product with sheeting in case of rain.

Methods and material for containment and cleaning up

Mixed with soil and collected into provisional packaging, the products can be used for making so-called lean concrete or sand subbase stabilized with cement. Mixed with water into a thick paste and hardened, the products can be treated as construction rubble and removed to a dump site.

SECTION 7: HANDLING AND STORAGE

Poisoning prevention

While using the products do not eat or drink, avoid inhalation of the dust, take care of personal hygiene, use protective clothing and equipment, work in a ventilated area.

Fire/explosion prevention

The products are non-flammable powders. They do not require special fire prevention procedures.

Storage

Store in original and properly marked packaging, in a storage facility for chemicals or construction materials with an ordinary ventilation system. Food consumption is prohibited in the storage area. Store in accordance with PN-89/C-81400. Protect from moisture. Store in dry, heated areas.

Handling waste

When dry, non-contaminated and not clumped, the products can be used. After contact with water and hardening, it should be dumped as construction rubble.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Total dust: 6mg/m³

Respirable dust: 2mg/m³

Recommended monitoring procedures:

Regulation by Minister of Health of 2 February 2011 regarding testing and measuring health hazards in a work environment (Dz.U.11.33.166).

PN-89/Z-01001/06 – Clean air protection – Names, terms and units – Terminology related to testing workplace air quality.

PN-89/Z-04008/07 – Clean air protection – Sampling – Procedures for workplace air sampling and interpreting results.

PN-91/Z-04030/05 – Clean air protection – Testing dust composition – Determining total dust at

the workplace.

PN-91/Z-04030/06 – Clean air protection – Testing dust composition – Determining respirable dust at the workplace.

8.2. Exposure controls

Hand protection:

Work gloves.

Eye protection:

Tight protective goggles when pouring, using above the head or in other ways posing the risk of the product entering the eyes.

Body protection:

Dense fabric protective clothing. Safety aprons.

Respiratory protection:

In case of working in a dust environment use white P2 particle filters or cloth masks).

Collective protection:

Ventilation at the workplace in closed facilities. Vents or filters near workplaces.

Additional information:

Occupational health

General industry work health rules apply. Replace contaminated clothing. After work, wash the body and clean personal protection equipment. Do not eat, drink, smoke or take medication while working.

Risk prevention

Use water spraying where cement dust concentration can reach dangerous levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a Form: powder

b Odor: none

c Density: 400-1800g/dm³

d Flash point: N/A, non-flammable substances

e Boiling point: N/A

f Water solubility: partly soluble

g Solvent solubility: insoluble

h pH: 9-12 (50g/l H₂O/25°C)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

If stored properly, these products are chemically stable. On mixing with water they become alkaline and start binding like cement mortars.

10.2. Chemical stability

Contact with metals over a period of several months in dry conditions does not lead to

corrosion.

10.3. Possibility of hazardous reactions

There are no specific hazardous reactions occurring. Alkalinity resulting from contact with water is an irritant to the skin and mucous membranes. Reactions with strong acids can produce small amounts of carbon dioxide.

10.4. Conditions to avoid

Avoid contact with water and moisture as well as humid air, as those cause degradation of product properties and packaging.

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

These materials do not decompose into hazardous products.

SECTION 11: TOXICOLOGICAL INFORMATION

Type	Class	Effect	Description
Acute toxicity - skin - respiratory - oral	-	None found.	Based on 20 years' usage experience.
Skin corrosion/ irritation	2	Contact with wet skin without gloves can cause skin irritation and cracking. Prolonged contact can cause burns. Literature reports allergic reactions to cement.	Based on literature and construction practice.
Serious damage to eyes/eye irritation	1	Due to sand and alkaline cement it is strongly irritant on the eyes. If the eyes are washed quickly, there is no long-lasting negative effect.	Based on 20 years' usage experience and an incident of strong eye contamination.
Respiratory sensitization	-	None found when proper half masks are used.	Based on 20 years' usage experience.
Mutagenicity/	-	None found when proper half masks	No incidents

carcinogenicity	are used.	reported when half masks used
STOT single exposure 3	Silica and cement dusts are irritant on the throat and respiratory system. If no proper half mask is used, it causes running nose, coughing and possibly shallow breathing.	Based on literature and construction practice.

Effect on existing conditions

Inhalation of the dust can impair the respiratory system in persons suffering from serious respiratory conditions such as asthma, chronic obstructive pulmonary disease or respiratory failure.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

The products are not harmful to natural environment. However, introduction of a large amount of the products into water (e.g. 1:1 by weight) can cause an increased pH and hence be toxic to sensitive aqueous organisms. When hardened, the products are not hazardous to the environment.

12.2. Persistence and degradability

In average conditions the products are stable after hardening, they do not decompose and do not pose a toxicity hazard.

12.3. Bioaccumulative potential

N/A. In contact with water the products harden and do not move.

12.4. Mobility in soil

N/A. In contact with water the products harden and do not move.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product:

by type 06 03 99 – other unspecified waste,

by type 10 13 99 – other unspecified waste.

Waste disposal:

Dump loose in open disposal sites that do not endanger the environment and human life and health. Dispose of like construction rubble.

Packaging:

by type 15 01 01 – paper and cardboard,

by type 15 01 02 – synthetic materials.

SECTION 14: TRANSPORT INFORMATION

The products are not classified as hazardous according to ADR/RID regulations. They are not subject to special restrictions based on those regulations.

14.1 UN number

N/A

14.2 UN proper shipping name

N/A

14.3 Transport hazard class(es)

N/A

14.4 Packing group

N/A

14.5 Environmental hazards

N/A

14.6 Special precautions for user

N/A

14.7 Transporting uncontained as per Annex II to MARPOL 73/78 and IBC code

N/A

SECTION 15: REGULATORY INFORMATION

15.1.1 National regulations

Ustawa z dnia 11.01.2001 r. o substancjach i preparatach chemicznych, Dz.U. nr 11, poz. 84, z późniejszymi zmianami. • Rozporządzenie MZ z dnia 08.02.2010 r. w sprawie wykazu substancji niebezpiecznych wraz z ich klasyfikacją i oznakowaniem, Dz.U. 10.27.140 • Rozporządzenie MZ z dnia 05.03.2009 r. zmieniające rozporządzenie w sprawie kryteriów i sposobu klasyfikacji substancji i preparatów chemicznych, Dz.U. 09.43.353 • Rozporządzenie MZ z dnia 05.03.2009 r. w sprawie oznakowania opakowań substancji niebezpiecznych i preparatów niebezpiecznych oraz niektórych preparatów chemicznych, Dz.U. 09.53.439 • Ustawa z dnia 26.06.1974 r. – Kodeks Pracy (tekst jednolity Dz.U. z 1998 r. nr 21, poz. 94, z późniejszymi zmianami) • Rozp. MPiPS z dnia 26.09.1997 r. w sprawie ogólnych przepisów bezpieczeństwa i higieny pracy (tekst jednolity Dz.U. z 2003 r. nr 169, poz. 1650 ze zmianami) • Rozp. MSW z dnia 21.04.2006 r. w sprawie ochrony przeciwpożarowej budynków, innych obiektów budowlanych i terenów, Dz.U. nr 80, poz. 563 • Ustawa z dnia 24.08.1991 r. o ochronie przeciwpożarowej. • Rozporządzenie MG z dnia 21.12.2005 r. w sprawie zasadniczych wymagań dla środków ochrony indywidualnej. • Ustawa z dnia 28.10.2002 r. o przewozie drogowym towarów niebezpiecznych, Dz.U. nr 199, poz. 1671 ze zmianami • Ustawa z dnia 27.04.2001 r. o odpadach (tekst jednolity Dz.U. z 2007 r. nr 39, poz. 251 z późniejszymi zmianami).

15.1.2 REACH regulation

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (*OJ L 396, 30.12.2006*)

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

16.1 Revision history

None in version 2.

16.2 Abbreviations and acronyms

ADR/RID - European Agreement concerning the International Carriage of Dangerous Goods by Road

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals

16.3 Key literature references and sources for data

No data available.

16.4 Training information

The employer must ensure that the employees read, understand and follow the requirements set out in the Safety Data Sheet.

16.5 Other information

No data available.

16.6 Remarks

The information herein is based on currently available data and applies to the products as used in accordance with the technical instructions, information on the packaging and commonsense construction practice. Any other use of the products is the sole responsibility of the user. The user is obliged to follow the appropriate safety procedures and laws regarding their actions being taken. The person making the decision to use the products is solely responsible to determine if the products are suitable for the specific purposes in the specific work conditions, especially with regard to construction and renovation work. The data contained in this data sheet do not provide an assessment of the user's workplace safety. The data sheet cannot be treated as a warranty of product properties.

The data sheet has been ordered and checked by Dr inż. Paweł Grzegorzewicz