Safety Data Sheet	
According to EC Regulation 1907/2006	
Date of creation:	02.02.2017
Date of updating:	Not applicable.
Version:	1.0

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

1.1 Product identifier

Trade name

PESTICLEAN

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

Industrial and professional use as a liquid detergent for cleaning sprayers.

Use not recommended

Other than recommended.

1.3 Details of the supplier of the safety data sheet

Name: Intermag Sp. z o.o.

Address: Al. 1000-lecia 15G, 32-300 Olkusz, Poland

Phone number: +48 326455900

Fax number: +48 326427044

E-mail address: intermag@intermag.pl

E-mail address (SDS): msds@intermag.pl

1.4 Emergency telephone number: 112

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Skin Irrit. 2, H315 - Causes skin irritation.

Eye Dam. 1, H318 - Causes serious eye damage.

2.2 Label elements

Hazard pictograms

Signal word

Danger

Hazard statements (H)

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

Precautionary statements (P)

P264 - Wash hands and face thoroughly after handling.

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

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

The mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII. UVCB substance.

SECTION 3: Composition/information on ingredients

3.2 Mixtures: water solution.

Name	Index number	CAS	EC	% by weight	Classification	Registration number
Benzenesulfonic acids, C10-13 alkyl derivatives, sodium salts	None	68411-30-3	270-115-0	≥5 - <20	Acute Tox.4, H302 Skin Irrit.2, H315	01-2119489428-22-XXXX
(1-Hydroxyethylidene) bisphosphonic acid, sodium salts	None	29329-71-3	249-559-4	≥1 - <10	Acute Tox. 4, H302 Eye Irrit. 2, H319	01-2119510382-52-XXXX
Dipropylene glycol monomethyl ether	None	34590-94-8	252-104-2	≥1 - <5	Substance possessing workplace exposure limits.	01-2119450011-60-XXXX
Ethoxylated fatty alcohols	None	68131-39-5	Not applicable.	≥1 - <5	Acute Tox. 4, H302 Eye Dam. 1, H318	Not applicable.
2-aminoethanol	603-030-00-8	141-43-5	205-483-3	≥1 - <3	Skin Corr. 1B, H314 Acute Tox. 4, H302	01-2119486455-28-XXXX

If the dangerous ingredients are mentioned, the meaning of H phrases is given in Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

If health problems or doubts occur, always seek medical advice and show information given in this SDS.

Inhalation

Stop working, move or take the injured person to fresh air and provide rest in a position that allows free breathing. In case of unconsciousness, keep the airways clear.

Skin contact

Parts of the body that have been in contact or are suspected of being exposed to the product should be washed immediately with plenty of soap and water. Contact a physician. Take off

Eye contact

If the injured person uses contact lenses, remove them before washing, if possible. As quickly as possible, rinse eyes with large amounts of water for about 15 minutes with the eyelid held wide open. Avoid a strong water jet due to the risk of mechanical damage to the cornea. If irritation persists, contact an oculist.

Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and specific treatment needed

Decision on suitable treatment should be made by the doctor after assessing the condition of the affected person.

SECTION 5: Firefighting measures

5.1 Extinguishing media

CO2, water spray. Unsuitable extinguishing media: unknown.

5.2 Special hazards arising from the substance or mixture

The decomposition and combustion products of the mixture can be toxic.

5.3 Advice for firefighters

Use a breathing apparatus and full protective clothing. Residues after a fire should be removed in accordance with applicable regulations. Do not allow contaminated fire-fighting water to penetrate ground and surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Inform about the accident; remove from danger zone all persons not involved in the liquidation of accident. Order the evacuation if necessary. Avoid direct and long-term contact with released mixture. Avoid creating and inhaling vapor/mist. In the event of release in a closed space ensure effective ventilation. Use personal protective equipment (respirator with filter type A, protective gloves made of rubber or neoprene, protective goggles or tight-fitting goggles, protective clothing).

6.2 Environmental precautions

If it is possible and safe, liquidate or reduce the leak (seal, close the flow of liquid, put the damaged packaging in the emergency container). Limit the spread of the backwaters by bunding the area. Prevent product from entering the sewage system, underground and surface water as well as soil. In the case of large amounts of product release and environmental pollution, notify the relevant authorities/emergency services.

6.3 Methods and material for containment and cleaning up

In the event of large quantities of product leaking - bundle the place of liquid accumulation and pump out the collected liquid. In case of small spills, collect liquid. Residues rinsed with plenty of water. The resulting solution should be used for fertilization or for recycling.

6.4 Reference to other sections

Personal protective equipment is specified in Section 8. Dispose of in accordance with the recommendations set out in Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Do not inhale vapours/mists. Avoid contact with skin or eyes. Wipe clean packaging thoroughly before re-use. Do not drink or eat while working with the product. Use protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in airtight, labeled packaging in well-ventilated rooms. Protect against sunlight and atmospheric conditions. Containers that have been opened must be resealed and stored in a vertical position. Keep away from food and feed products.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Data for dipropylene glycol monomethyl ether
EMPLOYEES
DNEL/DMEL through the skin
283 mg/kg b.m./day
DNEL/DMEL through inhalation
308 mg/m3
CONSUMERS
DNEL/DMEL through the skin
121 mg/ b.m./day
DNEL/DMEL through inhalation
37.2 mg/m3

DNEL/DMEL ingestion
36 mg/k m.c./day
PNEC for the freshwater environment
19 mg/L
PNEC for the marine environment
1.9 mg/L
PNEC for water environment (temporary release)
190 mg/L
PNEC STP
4168 mg/L
PNEC for sediment environment (freshwater)
70.2 mg/L
PNEC for sediment environment (seawater)
7.02 mg/L
PNEC for air
No data available.
PNEC for soil environment
2.74 mg/kg soil d.m.
US - ACGIH (TLV) - LTE (8h): 100 ppm - STEL (15 min): 150 ppm - Notes: Skin.
IT - D. 6 agosto 2012 (Valore limite) - LTE (8h):308 mg/m3, 50 ppm - Notes: Skin.
EU - Dir. 2000/39/CE (ILV) - LTE (8h): 308 mg/m3, 50 ppm - Notes: Skin.
UK - EH40/2005 (WEL) - LTE(8h): 308 mg/m3, 50 ppm
DE - TRGS 900 (MAK) - LTE(8h): 310 mg/m3, 50 ppm - STEL (15 min): 310 mg/m3, 50 ppm
EU - LTE(8h): 308 mg/m3, 50 ppm - Notes: Skin.
Data for 2-aminoethanol
EMPLOYEES
DNEL/DMEL through the skin
1 mg/kg b.m./day
DNEL/DMEL through inhalation
3,3 mg/m3
CONSUMERS
DNEL/DMEL through the skin
0.24 mg/kg b.m./day
DNEL/DMEL through inhalation
2 mg/m3
DNEL/DMEL ingestion
3.75 mg/kg b.m/day
PNEC for the freshwater environment
0.085 mg/L
PNEC for the marine environment
0.009 mg/L
PNEC for water environment (temporary release)
0.028 mg/L
PNEC STP
100 mg/L
PNEC for sediment environment (freshwater)
0.434 mg/L
PNEC for sediment environment (seawater)
0.043 mg/L

PNEC for air
No data available.
PNEC for soil environment
No data available.
US - ACGIH (TLV) - LTE(8h): 3 ppm - STEL (15 min): 6 ppm
IT - D. 6 agosto 2012 (Valore limite) - LTE (8h): 2,5 mg/m3, 1 ppm - STEL (15 min): 7,6 mg/m3, 3 ppm - Notes: Skin.
EU - Dir. 2006/15/EC (ILV) - LTE (8h): 2,5 mg/m3, 1 ppm - STEL (15 min): 7,6 mg/m3, 3 ppm - Notes: Skin.
UK - EH40/2005 (WEL) - LTE (8h): 2,5 mg/m3, 1 ppm - STEL (15 min): 7,6 mg/m3, 3 ppm - Notes: Skin
DE - TRGS 900 (MAK) - LTE (8h): 5,1 mg/m3, 2 ppm - STEL (15 min): 10,2 mg/m3, 4 ppm.
Data for benzenesulfonic acids, C10-13 alkyl derivatives, sodium salts
EMPLOYEES
DNEL/DMEL through the skin
85 mg/kg b.m./day
DNEL/DMEL through inhalation
6 mg/m3
CONSUMERS
DNEL/DMEL through the skin
42.5 mg/kg b.m./day
DNEL/DMEL through inhalation
1.5 mg/m3
DNEL/DMEL ingestion
0.425 mg/kg b.m./day
PNEC for the freshwater environment
0.268 mg/L
PNEC for the marine environment
0.027 mg/L
PNEC for water environment (temporary release)
0.017 mg/L
PNEC STP
3.43 mg/L
PNEC for sediment environment (freshwater)
8.1 mg/L
PNEC for sediment environment (seawater)
6.8 mg/L
PNEC for air
No data available.
PNEC for soil environment
2.74 mg/kg soil d.m.
Data for (1-hydroxyethylidene) bisphosphonium acid, sodium salts
EMPLOYEES
DNEL/DMEL through the skin
No hazards identified.
DNEL/DMEL through inhalation
No hazards identified.
CONSUMERS
DNEL/DMEL through the skin
No hazards identified.

DNEL/DMEL through inhalation
No hazards identified.
DNEL/DMEL ingestion
6.5 mg/kg b.m./day
PNEC for the freshwater environment
0.134 mg/L
PNEC for the marine environment
0.014 mg/L
PNEC for water environment (temporary release)
No data available.
PNEC STP
20 mg/L
PNEC for sediment environment (freshwater)
59 mg/L
PNEC for sediment environment (seawater)
5.9 mg/L
PNEC for air
No data available.
PNEC for soil environment
41 mg/kg soil d.m.
When the concentration of the substance is known, the selection of personal protective equipment should be made taking into account the concentration of the substance present in the workplace, exposure time and the activities performed by the employee. In an emergency, if the concentration of the substance in the workplace is not known, use personal protection measures recommended for the highest protection class. The employer is obliged to ensure that the used personal protective equipment, clothing and shoes have protective and functional properties and ensure their proper cleaning, maintenance, repair and decontamination.

8.2 Exposure control

8.2.1 Appropriate engineering controls

General ventilation.

8.2.2 Personal protection measures such as individual protection equipment

8.2.2.1 Eye/face protection

Eye or face protection: safety glasses (in accordance with EN 166, EN 140, EN175).

8.2.2.2 Skin protection

Protection of hands

Chemical resistant gloves according to EN 374. Exemplary materials: neoprene, nitrile or butadiene rubber, PVC. In the case of short-term contact or splashing: a minimum protection index of 2, corresponding to a breakthrough time> 30 min. according to EN 374, made of nitrile rubber (≥0,4mm thick). In the case of direct contact: a minimum protection index of 6, corresponding to a breakthrough time> 480 min. according to EN 374, made of nitrile rubber. Information based on literature data and recommendations from manufacturers of protective gloves.

Other

Protective clothing (in accordance with EN 340).

8.2.2.3. Respiratory protection

EN 136, EN 140, EN 141, EN 143, EN 149, EN 405.

8.2.2.4 Thermal hazards

Not required.

8.2.3 Environmental exposure controls

Prevent large amounts of product from entering the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form

Liquid, yellow-green.

Odour

Indeterminate.

Odour treshold

No data available.

pH

10-11,4

Melting/freezing point

-3°C

Initial boiling point and boiling range

No data available.

Flash point

No data available.

Evaporation rate

No data available.

Flammability (solid, gas)

> 100°C

Upper Explosive Limit

No data available.

Lower Explosive Limit

No data available.

Vapor pressure

No data available.

Vapor density

No data available.

Bulk density

1,01-1,10 kg/dm3 (przy 20˚C)

Solubility in water

In water total.

Partition coefficient: n-octanol/water

No data available.

Auto-ignition temperature

No data available.

Decomposition temperature

No data available.

Viscosity

No data available.

Explosive properties

The mixture is not explosive.

Oxidizing properties

The mixture is not oxidizing.

9.2 Other data

None

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is not reactive under normal conditions.

10.2 Chemical stability

Stable product under normal storage conditions.

10.3 Possibility of hazardous reactions

They are not expected under normal storage conditions.

10.4 Conditions to avoid

Stable product under normal storage conditions.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Based on available data, the classification criteria are not met.
LD50 (oraly, rat): >2000 mg/kg b.m. (theoretical calculations)
Benzenesulfonic acids, C10-13 alkyl derivatives, sodium salts
LD50 (oral, rat): 1080 mg/kg b.m./day (OECD 401)
LD50 (skin, rat): >2000 mg/kg b.m. (OECD 402)
Dipropylene glycol monomethyl ether
LD50 (oraly, rat): >5000 mg/kg b.m./day (literature data)
LC50 (inhalation, rat): >275 ppm (llature data)
2-aminoethanol
LD50 (oral, rat): 1515 mg/kg b.m./day (OECD 401)
LD50 (24h, skin, rabbit): >2.46 ml/kg (literature data).

11.1.2 Skin corrosion/irritation

Causes skin irritation.

11.1.3 Serious eye damage/irritation

Causes serious eye damage.

11.1.4 Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

11.1.5 Germ cell mutagenicity

Based on available data, the classification criteria are not met.
Benzenesulfonic acids, C10-13 alkyl derivatives, sodium salts, have no germ cell mutagenicity (literature data).

11.1.6. Carcinogenicity

Based on available data, the classification criteria are not met.
Benzenesulfonic acids, C10-13 alkyl derivatives, sodium salts, have no carcinogenic effect (literature data).

11.1.7 Reproductive toxicity

Based on available data, the classification criteria are not met.

11.1.8 STOT-single exposure

No data available.

11.1.9 STOT-repeated exposure

Based on available data, the classification criteria are not met.

11.1.10 Aspiration hazard

No data available.

11.1.11 Other information

None

SECTION 12: Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met.
Benzenesulfonic acids, C10-13 alkyl derivatives, sodium salts:
Acute toxicity:
LC50 96h, fish: 1.67 mg/L (literature data)
EC50 48h, Daphnia magna: 2.9 mg/L (literature data)
EC10 168h, algae: 0.21 mg/L (literature data)
Long-term toxicity:
NOEC 672h, fish: 1 mg/L (literature data)
LOEC 672h, insects: 4 mg/L (literature data)
NOEC 672h, algae:> 4 mg/L (literature data).

12.2 Persistence and degradability

No data available for the mixture.

12.3 Bioaccumulative potential

No data available for the mixture.
Benzenesulfonic acids, C10-13 alkyl derivatives, sodium salts are not bioaccumulating

12.4 Mobility in soil

No data available for the mixture.
Benzenesulfonic acids, C10-13 alkyl derivatives, sodium salts - Mobility in soil: low (estimation based on literature data).
Dipropylene glycol monomethyl ether - Mobility in soil: mobile (estimation based on literature data).

12.5 Results of PBT and vPvB assessment

Does not meet the PBT and vPvB criteria.

12.6 Other adverse effects

Prevent the product from entering large amounts into drains and waters.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not remove the mixture together with municipal waste. Do not allow contamination of ground and surface water. Do not store on municipal landfills. Consider the possibility of use. Recycling or neutralizing waste product should be carried out in accordance with applicable regulations.
Recovery/recycling/liquidation of packaging waste should be carried out in accordance with applicable regulations. Only completely emptied packages can be recycled. Do not mix with other wastes.

SECTION 14: Transport information

14.1 UN number

None

14.2 UN proper shipping name

Not subject to.

14.3 Transport hazard class(es)

Not subject to.

14.4 Packing group

None

14.5 Environmental hazards

The product is not dangerous.

14.6 Special precautions for user

Not subject to.

14.7 Transport in bulk according to Annex II of the MARPOL Convention and the IBC Code

Not subject to.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

2015/830 Commission Regulation of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

1272/2008 Regulation of the European Parliament and of the Council (EC) of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

2008/98 Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

15.2 Chemical safety assessment

Conducted.

SECTION 16: Other information

The information in this SDS relates only to the described product and is based on our current knowledge, experience and may not be comprehensive. The end user is responsible for the use of product according to the valid regulations.

Version: 1.0

Changes

Not applicable.

Hints concerning training

Train in accordance with valid regulations: safety and health regulations, fire regulations, regulations of packaging, waste regulations especially taking into account health protection, safety and environmental protection.

H-Statements

H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H314 - Causes severe skin burns and eye damage.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.

Explanation of acronyms and abbreviations

Met. Corr. - Substance or mixture corrosive to metals
Acute Tox. - Acute toxicity
Skin Corr. - Skin corrosion
Skin Irrit. - Skin irritation
Eye Dam. - Serious eye damage
Eye Irrit. - Serious eye irritation
Resp. Sens. - Respiratory sensitization
Skin Sens. - Skin sensitization
Muta. - Germ cell mutagenicity
Carc. - Carcinogenicity
Repr. - Reproductive toxicity
STOT SE - Specific target organ toxicity - single exposure
STOT RE - Specific target organ toxicity - repeated exposure
Asp. Tox. - Aspiration hazard

Aquatic Acute - Hazardous to the aquatic environment, acute
Aquatic Chronic - Hazardous to the aquatic environment, chronic
Ozone - Hazardous for the ozone layer
Lact. - Reproductive toxicity, additional category, effect or impact on lactation
TLV-TWA - Threshold limit value- - Time weighted average
TLV-STEL - Threshold limit value - Short-term exposure limit
TLV-C - Threshold limit value - Ceiling limit
vPvB - very Persistent and very Bioaccumulative
PBT - Persistent Bioaccumulative and Toxic
PNEC - Predicted No Effect Concentration
DN(M)EL - Derived No (Minimal) Effect Level
LD50 - Median lethal dose
LC50 - Median lethal concentration
ECX - Concentration showing x % Effect
LOEC - Lowest Observed Effect Concentration
NOEL - NOEL No Observed Effect Level
RID - Regulations Concerning the International Carriage of Dangerous Goods by Rail
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG - International Maritime Dangerous Goods Code
ICAO/IATA - International Civil Aviation Organization / International Air Transport Association
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
UVCB - Substances of Unknown or Variable Composition, Complex reaction products or Biological Materials

Recommended restriction of use

None

Sources used to Safety Data Sheet preparation

Website of the European Chemicals Agency (www.echa.eu), website of the office of Chemical Substances (www.chemikalia.gov.pl), SDS of raw materials.