

MATERIAL SAFETY DATA SHEET
Innopolish B520
according to REGULATION (EC) No 1907/2006



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

1.1. Product identifier

Product name: Innopolish B520 ®

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

Ready-to-use liquid scouring agent, for professional use according to the user instructions.

Use against which is recommended: This product must not be used for other applications than that which are recommend without seeking advice of the supplier.

Process categories (explanations see section 16):

- PROC 10

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier: EMERGO Metal Treatment
Twentepoort Oost 15
7609 RG Almelo
The Netherlands

Postbus 323
9500 AH Stadskanaal
The Netherlands

Phone.: +31 (0)599 – 696 420
Fax.: +31 (0)599 – 696 425

E-mail: info@emergometal.com
Web: www.emergometal.com

1.4. Emergency telephone number

Phone.: +31 (0)599 – 696 420

SECTION 2: Hazards identification

2.1. Classification of the mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:
Serious eye damage/eye irritation: Eye Dam. 1
Hazard Statements:
Causes serious eye damage.

2.2. Label elements

Signal word: Warning
Pictogram: GHS07



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Hazard statements

H318 Causes serious eye damage

Precautionary statements

P305+P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention..

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No		
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
230-785-7	tetrapotassium pyrophosphate	1 - < 5 %
7320-34-5		
	Eye Irrit. 2; H319	
01-2119489369-18		
	fatty alcohol polyethoxylate	1 - < 5 %
68439-46-3		
	Eye Dam. 1, Aquatic Chronic 3; H318 H412	
307-055-2	sodium alkyl sulfonate	1 - < 5 %
97489-15-1		
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1; H302 H315 H318	
01-2119489924-20		

Full text of H- and EUH-phrases: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % phosphates, < 5 % non-ionic surfactants, < 5 % anionic surfactants, perfumes (Limonene, Citral, Hexyl cinnamal, Linalool), preservation agents (Benzisothiazolinone, Methylisothiazolinone).

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact:

After contact with skin, wash immediately with plenty of water and soap.
Take off contaminated clothing and wash it before reuse.

Eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water.

Ingestion:

Rinse mouth immediately and drink plenty of water.
Do NOT induce vomiting.

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

No information available.

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

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Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable: water jet, alcohol-resistant foam, carbon dioxide, extinguishing powder.

Not suitable: Heavy jet of water.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: carbon dioxide, carbon monoxide.

5.3. Advice for firefighters

No information available.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, skin and clothes.

Wear personal protection equipment (see section 8).

6.2. Environmental precautions:

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

6.3. Methods and materials for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal .

6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

- Avoid contact with skin and eyes.
- Do not mix with other products.
- Wear personal protection equipment (see section 8).
- Do not eat, drink and smoke in work areas.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Advice on storage compatibility

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No special measures are necessary.

7.3. Specific end uses

SECTION 8: Exposure controls / personal protection

**8.1. Control parameters
DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
97489-15-1	sodium alkyl sulfonate			
Worker DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	35 mg/m ³
Worker DNEL, acute		dermal	local	2,8 mg/cm ²
Worker DNEL, long-term		dermal	local	2,8 mg/cm ²
Consumer DNEL, acute		dermal	local	2,8 mg/cm ²
Consumer DNEL, long-term		dermal	systemic	3,57 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	12,4 mg/m ³
Consumer DNEL, long-term		oral	systemic	7,1 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	2,8 mg/cm ²

PNEC values

CAS No	Substance	Value
97489-15-1	sodium alkyl sulfonate	
Freshwater		0,04 mg/l
Marine water		0,004 mg/l
Freshwater sediment		9,4 mg/kg
Marine sediment		0,94 mg/kg
Soil		9,4 mg/kg
Microorganisms in sewage treatment plants (STP)		600 mg/l

8.2. Exposure controls

Protective and hygiene measures

Take off contaminated clothing.
 Wash hands before breaks and after work.
 When using do not eat, drink or smoke.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Suitable material: NBR (Nitrile rubber). Breakthrough time (maximum wearing time) >480 min. A survey of suitable brands with detailed information on breakthrough times is available upon request.

Skin protection

Wear suitable protective clothing.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid.	
Colour:	Yellow	
Odour:	Perfumes, fragrances.	
		Test method
pH-Value	9,0 – 10,0	
Changes in the physical state		
Melting point:	ca. 0 °C	
Initial boiling point and boiling range:	ca. 100 °C	
Flash point:	Not applicable	
Flammability		
Solid:	Not applicable	
Gas:	Not applicable	
Lower explosion limits:	Not determined	
Upper explosion limits:	Not determined	
Auto-ignition temperature		
Solid:	Not applicable	
Gas:	Not applicable	
Decomposition temperature:	Not determined	
Oxidizing properties		
Not oxidizing.		
Vapour pressure:	Not determined	
Density (at 25°C):	1.15 g/cm ³	
Water solubility:	partially soluble	
Solubility in other solvents		
Not determined		
Partition coefficient:	Not determined	
Viscosity/dynamic (at 25°C):	Not determined	
Vapour density:	Not determined	
Evaporation rate:	Not determined	
9.2. Other information		
Solid content:	Not determined	

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

None known.

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10.5. Incompatible materials

No hazardous incompatibilities known.

10.6. Hazardous decomposition products

No hazardous decomposition known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposures routes	Method	Dose	Species	Source
7320-34-5	tetrapotassium pyrophosphate				
	Oral	LD50	>2000 mg/kg	Rat	
	Dermal	LD50	>2000 mg/kg	Rat	ATE
	Inhalative aerosol	LC50	>5 mg/l	Rat	ATE
68439-46-3	fatty alcohol polyethoxylate				
	Oral	LD50	>2000 mg/kg	Rat	OECD401
	Dermal	LD50	>2000 mg/kg	Rat	ATE
	Inhalative aerosol	LC50	>5 mg/l	Rat	ATE
97489-15-1	sodium alkyl sulfonate				
	Oral	LD50	>2000 mg/kg	Rat	OECD401
	Dermal	LD50	>2000 mg/kg	Mouse	
	Inhalative aerosol	LC50	>5 mg/l	Rat	ATE

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
68439-46-3	fatty alcohol polyethoxylate					
	Acute fish toxicity	LC50	1-10 mg/l	96 h	Brachydanio rerio (zebra-fish)	OECD 203
	Acute bacteria toxicity	(>1000mg/l)				
97489-15-1	sodium alkyl sulfonate					
	Acute fish toxicity	LC50	>1-10 mg/l	96 h	Cyprinus carpio (Common Carp)	OECD 203
	Acute algae toxicity	ErC50	>64 mg/l	72 h	Scenedesmus subspicatus	OECS 201
	Acute crustacea toxicity	EC50	9,81 mg/l	48 h	Daphnia magna (big water flea)	OECD 202

12.2. Persistence and degradability

The surfactants contained in this product comply with the biodegradability criteria as laid down in regulation 648/2004/EC on detergents.

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CAS No	Chemical name			
	Method	Value	D	Source
	Evaluation			
97489-15-1	Sodium alkyl sulfonate			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	78%	28	
	Readily biodegradable (according to OECD criteria).			
	OECD 301E/ EEC 92/69/V, C.4-B	89	28	
	Readily biodegradable (according to OECD criteria).			
	OECD 303/ EEC 92/69/V, C10	96.2	34	
	Readily biodegradable (according to OECD criteria).			
68439-46-3	fatty alcohol polyethoxylate			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	>60%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
7320-34-5	tetrapotassium pyrophosphate	-2

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.
 Delivery to an approved waste disposal company.

Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Non-contaminated packages may be recycled.

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SECTION 14: Transport information

14.1 Land transport (ADR/RID)

UN number: No dangerous good in sense of these transport regulations.

14.2 Inland waterways transport (ADN)

UN number: No dangerous good in sense of these transport regulations.

14.3 Marine transport (IMDG)

UN number: No dangerous good in sense of these transport regulations.

14.4 Air transport (ICAO)

UN number: No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC): <30%

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation)

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

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Relevant H- and EUH-phrases (Number and full text)

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)