

MATERIAL SAFETY DATA SHEET
Innospray B600
according to REGULATION (EC) No 1907/2006



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

1.1. Product identifier

Product name: Innospray B600 ®

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

Product use: Ready-to-use spray cleaner with alcohol, for 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:

- PROC 11

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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].
The product does not support combustion. It therefore needs not to be classified as flammable despite a flash point below 60 °C.

2.2. Label elements

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The inhalation of dust/mist or aerosols causes irritation of the respiratory tract.

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SECTION 3: Composition and information on ingredients

Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No		
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
200-578-6	ethanol, ethyl alcohol	15- <20%
64-17-5		
603-002-00-5	Flam. Liq. 2, Eye Irrit. 2; H225 H319	
01-2119457610-43		
203-539-1	1-methoxy-2-propanol; monopropylene glycol methyl ether	1- <5%
107-98-2		
603-064-00-3	Flam. Liq. 3, STOT SE 3; H226 H336	
01-2119457435-35		

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Provide fresh air.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

Full water

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: carbon dioxide, carbon monoxide.

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5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

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

Wear personal protection equipment (see chapter 8).
Avoid contact with skin, eyes and clothes.

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, eyes and clothes.
- 💧 Do not mix with other chemicals.
- 💧 Wear personal protection equipment (see chapter 8).
- 💧 When using do not eat, drink or smoke.
- 💧 Do not breathe gas/fumes/vapour/spray.
- 💧 Use only in well-ventilated 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

No special measures are necessary.

7.3. Specific end uses

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SECTION 8: Exposure controls and personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	WEL
		150	560		STEL (15min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15min)	WEL

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

Eye protection: not required.

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.

Respiratory protection

If extensively sprayed or used with high pressure equipment: combination filter A1/P2.
 Use only in well-ventilated areas.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: transparant
 Odour: Perfumes, fragrances

pH-Value (at 20°C) 9,8 – 10,8

Test method

Changes in the physical state

Melting point: ca. -5 °C
 Initial boiling point and boiling range: >85 °C
 Flash point: 36 °C

Flammability

Solid: not applicable
 Gas: not applicable

Lower explosion limits: not determined
 Upper explosion limits: not determined

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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): 0,97 g/cm³
Water solubility: completely miscible

Solubility in other solvents

Not determined
Partition coefficient: not determined
Viscosity / dynamic(at 25 °C): <10 mPa·s
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

The product is stable under storage at normal ambient temperatures.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
64-17-5	Ethanol, ethyl alcohol				
	Oral	LD50	>2000 mg/kg	Rat	ATE
	Dermal	LD50	>2000 mg/kg	Rat	ATE
	Inhalative vapour	LC50	>20 mg/l	Rat	ATE
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
	Oral	LD50	>2000 mg/kg	Rat	
	Dermal	LD50	>2000 mg/kg	Rat	
	Inhalative aerosol	LC50	>5 mg/l	Rat	

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SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
64-17-5	Ethanol, ethyl alcohol					
	Acute fish toxicity	LC50	>1000 mg/l	96 h		
	Acute algae toxicity	ErC50	>100 mg/l			
	Acute crustacea toxicity	ErC50	>1000 mg/l	48 h		
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50	4600 -10000 mg/l	96 h	Leuciscus idus (golden orfe)	IUCLID
	Acute algae toxicity	ErC50	>1000 mg/l	72 h	Selenastrum capricornutum	
	Acute crustacea toxicity	ErC50	>500 mg/l	48 h	Daphnia magna (Big water flea)	IUCLID

12.2. Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64-17-5	Ethanol, ethyl alcohol			
	OECD 301	>60 %	28	
	Readily biodegradable (according to OECD criteria).			
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether			
	OECD 301	>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
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437

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.

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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.

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 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

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(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

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LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%R 36 Irritating to eyes.

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.

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

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners.

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.

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.)