MICRO E MEASUREMENTS AVPG Brand

M-Prep Neutralizer 5A

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ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

Date of issue: 11/04/2025 Version: 5.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name M-Prep Neutralizer 5A
Product code Mot applicable

1.2 Relevant identified uses of the substance or mixture

and uses advised against

Identified Use(s) Metal surface treatment products, including galvanic and electroplating

products

Uses advised against

Anything other than the above.

1.3 Details of the supplier of the safety data sheet

Company Identification VISHAY MEASUREMENTS GROUP UK LTD

Stroudley Road Basingstoke Hampshire RG24 8FW

 Telephone
 +44 (0) 1256 462131

 Fax
 +44 (0) 1256 471441

 E-mail (competent person)
 mm.uk@vpgsensors.com

1.4 Emergency telephone number

National Poisons Information Service (United Kingdom) +44 (0) 3448 920111 24 hr. emergency phone number

Healthcare Professionals ONLY

NHS 24 111 Members of Public Emergency Phone No. (00-1) 703-527-3887 CHEMTREC (24 hours)

Languages spoken All official European languages.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 The retained CLP Regulation (EU) No 1272/2008, as

amended for Great Britain

Not classified as hazardous for supply/use. A safety data sheet is being supplied for this product on request as it contains a component for which there is a

Community workplace exposure limit.

2.2 Label elements According to the retained CLP Regulation (EU) No 1272/2008, as amended for

Great Britain

Product name M-Prep Conditioner A

Contains: Not applicable

Hazard Pictogram(s)

None assigned

Signal Word(s) None assigned

Hazard Statement(s) None assigned

Precautionary Statement(s)

None assigned

Supplemental information EUH210: Safety data sheet available on request.

2.3 Other hazards Not classified as PBT or vPvB. Does not cause endocrine disruption.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances - Not applicable.

3.2 Mixtures

No component of this mixture is included above the relevant concentration levels detailed within section 3.2.1 of SDS regulation 2015/830.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Self-protection of the first aider

Use personal protective equipment as required. Wear appropriate personal

protective equipment, avoid direct contact. Ensure adequate ventilation Avoid breathing mist/vapours/spray. Avoid contact with skin and eyes. Contaminated

clothing should be laundered before reuse.

Inhalation IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in

a position comfortable for breathing. Call a POISON CENTER/doctor if you feel $\,$

unwell.

Skin contact IF ON SKIN (or hair): Wash skin with soap and water. If skin irritation occurs: Get

medical advice/attention.

Eye contact IF IN EYES: Flush eyes with water for at least 15 minutes while holding eyelids

open. If eye irritation persists, get medical advice/attention.

Ingestion IF SWALLOWED: Wash out mouth with water and give 200-300 ml (half a pint) of

water to drink. Do NOT induce vomiting. Call a POISON CENTER/doctor if you

feel unwell.

4.2 Most important symptoms and effects, both acute

and delayed

4.3 Indication of any immediate medical attention and

special treatment needed

None anticipated

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Unsuitable extinguishing media

5.2 Special hazards arising from the substance or mixture

5.3 Advice for firefighters

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Do not use water jet. Direct water jet may spread the fire.

Not flammable. May decompose in a fire giving off toxic fumes. When heated, material will emit anhydrous ammonia vapor which necessitates respiratory and

eye protection for firefighting.

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying

with water if exposed to fire. Avoid run off to waterways and sewers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Stop leak if safe to do so. Use personal protective equipment as required. See Section: 8. Avoid breathing mist/vapours/spray. Avoid contact with skin and eyes. Stay upwind/keep distance from source.

6.2 Environmental precautions

Avoid release to the environment. Do not release undiluted and unneutralised to the sewer. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Cautiously neutralize remainder. Then wash away with plenty of water. Neutralise with Calcium carbonate./ sodium carbonate / sodium

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6.4 Reference to other sections

bicarbonate Ventilate the area and wash spill site after material pick-up is complete. Dispose of this material and its container as hazardous waste. See Section: 8, 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure operatives are trained to minimise exposures. Ensure adequate ventilation Avoid breathing mist/vapours/spray. In case of inadequate ventilation wear respiratory protection. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

Keep only in original packaging. Keep container tightly closed and in a well-

7.2 Conditions for safe storage, including any incompatibilities

ventilated place.

Storage temperature
Storage life

Ambient temperatures. <27℃ Stable under normal conditions

Incompatible materials

Acids, Peroxides, metallic copper, tin, zinc and their alloys, halogenated

compounds. See Section: 1.2.

7.3 Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Phosphoric Acid	7664-38-2	-	1	-	-	-

Source: WEL: Workplace Exposure Limit (UK HSE EH40); IOELV: Indicative Occupational Exposure Limit Value

8.1.2 Biological limit value

Not established.

8.1.3 PNECs and DNELs

Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure adequate ventilation or use appropriate containment. Atmospheric levels should be controlled in compliance with the occupational exposure limit.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable. Avoid breathing vapours. Avoid contact with skin, eyes or clothing. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place. Wash contaminated clothing before reuse.

Eye/ face protection



Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).

Skin protection



Hand protection:

Wear impervious gloves. Protective index 6, corresponding > 480 minutes of permeation time. Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer. Neoprene or rubber gloves are recommended.

Body protection:

Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

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In case of inadequate ventilation wear respiratory protection. A suitable mask with

Respiratory protection



in case of inadequate ventilation wear respiratory protection. A suitable mask with filter type A may be appropriate.

Thermal hazards Not applicable

8.2.3 Environmental exposure controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Colourless- Liquid
Odour Ammonia odour.
Odour threshold Mild odour
pH No data available

Melting point/freezing point 0℃
Initial boiling point and boiling range 100℃

Flash point No data available
Evaporation rate No data available
Flammability (solid, gas) Not applicable
Upper/lower flammability or explosive limits No data available
Vapour pressure 760 mm Hg @ 100 ℃

Vapour density 1 (Air = 1)1 (Water = 1)Relative density Solubility(ies) Soluble in water. 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 Not explosive Oxidising properties Not oxidising.

9.2 Other information

Volatile Organic Compound Content 1000 g/L

SECTION 10: STABILITY AND REACTIVITY

10.1ReactivityStable under normal conditions10.2Chemical stabilityStable under normal conditions

10.3 Possibility of hazardous reactions Hazardous polymerisation will not occur.

10.4 Conditions to avoid Adding Sodium Hydroxide to this material and/or heating will volatize Ammonia.
 10.5 Incompatible materials Acids, Peroxides, metallic copper, tin, zinc and their alloys, halogenated

compounds. sodium hydroxide.

10.6 Hazardous decomposition products Combustion products: Ammonia

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion Mixture: Based upon the available data, the classification criteria are not met.

Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw

Acute toxicity - Inhalation Mixture: Based upon the available data, the classification criteria are not met.

Acute Toxicity Estimate Mixture Calculation: LC50 > 20 mg/l (Vapour)

Acute toxicity - Skin contact Mixture: Based upon the available data, the classification criteria are not met.

Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw

Skin corrosion/irritationMixture: Based upon the available data, the classification criteria are not met.Serious eye damage/irritationMixture: Based upon the available data, the classification criteria are not met.Respiratory or skin sensitisationMixture: Based upon the available data, the classification criteria are not met.

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Carcinogenicity
Reproductive toxicity

Aspiration hazard

Germ cell mutagenicity

STOT - single exposure

STOT - repeated exposure

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Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met.

11.2 Other information None

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Mixture: Based upon the available data, the classification criteria are not met.		
		Estimated LC50 (Mixture): >100 mg/l.		
12.2	Persistence and degradability	No data for the mixture as a whole.		
12.3	Bioaccumulative potential	No data for the mixture as a whole.		
12.4	Mobility in soil	No data for the mixture as a whole.		
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.		
12.6	Other adverse effects	None known		

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	This material and its container must be disposed of as hazardous waste. Dispose
		of constant in the commercial constant line and facility.

of wastes in an approved waste disposal facility.

13.2 Additional information Dispose of contents in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

		ADR	IMDG	IATA/ICAO
14.1	UN number or ID number	Not classified	Not classified	Not classified
14.2	UN proper shipping name	Not classified	Not classified	Not classified
14.3	Transport hazard class(es)	Not classified	Not classified	Not classified
14.4	Packing group	Not classified	Not classified	Not classified
14.5	Environmental hazards	Not classified	Not classified as a	Not classified
			Marine Pollutant.	
14.6	Special precautions for user	See Section: 2		
14.7	Maritime transport in bulk according to IMO	Not applicable.		

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental

regulations/legislation specific for the substance or

mixture

instruments

15.1.1 EU regulations

Authorisations and/or restrictions on use Not restricted for the intended use(s) of the product.

GB regulations

Authorisations and/or restrictions on use Not restricted for the intended use(s) of the product.

15.1.2 National regulations

Germany

Water hazard class (WGK) WGK nwg (Self classification)

15.2 Chemical Safety Assessment A chemical safety assessment is not required under REACH.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: V1.0 – Not applicable

References:

Existing Safety Data Sheet (SDS),

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Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830. Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Legend

ADR ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

BCF Bioconcentration factor

CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL Derived no effect level

EC50 Half maximal effective concentration

HSE Health and Safety Executive

IATA IATA: International Air Transport Association
ICAO ICAO: International Civil Aviation Organization
IMDG IMDG: International Maritime Dangerous Goods

LC50 Lethal concentration at which 50% of the population is killed

LD50 Lethal dose at which 50% of the population is killed

LTEL Long term exposure limit
OEL Occupational exposure limits

PBT PBT: Persistent, Bioaccumulative and Toxic

PNEC Predicted No Effect Concentration
(Q)SAR Quantitative structure-activity relationship

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations concerning the international railway transport of dangerous goods

TWA Time Weighted Average STEL Short term exposure limit

vPvB vPvB: very Persistent and very Bioaccumulative

WGK Wassergefährdungsklasse (Germany) / Water hazard class

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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