

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Date first issue: 17/06/2018 Review date: 31/07/2023 Supersedes version of: 29/05/2023 Version: 4.0

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

1.1. Product identifier

Product form : Mixture

Product name : MIDA FLOW 245 HP UFI : 2G40-40E1-900M-7P90

Product code : CZ00052

Type of product

: Mixture Product group

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use

#### 1.2.2. Uses advised against

No additional information available

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

#### Manufacturer

CHRISTEYNS s.r.o. Vítovská 453/7

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#### Distributor

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1.4. Emergency telephone number

: Cleaning agent, Detergent

# **Distributor**

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Ireland

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info@gannonchemicals.ie, Gannonchemicals.ie

#### Distributor

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Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre)	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

#### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

Full text of H- and EUH-statements: see section 16

City Hospital

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

Corrosive to metals, Category 1 H290 Acute toxicity (oral), Category 4 H302 Skin corrosion/irritation, Category 1, Sub-Category 1A H314

### Adverse physicochemical, human health and environmental effects

No additional information available

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#### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP) : Danger Contains : Phosphoric acid

Hazard statements (CLP) : H290 - May be corrosive to metals. H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear eye protection, face protection, protective clothing, protective gloves. P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Immediately call a doctor.

P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/shower. Immediately call a doctor.

P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a

doctor.

P390 - Absorb spillage to prevent material damage.

P501 - Dispose of contents and container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### **SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Not applicable

### 3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Phosphoric acid substance with national workplace exposure limit(s) (BE, BG, CZ, DE, DK, ES, FI, FR, GB, GI, GR, IT, LT, LU, LV, MT, NL, PT, RO, SE, SI, SK, IS, NO, CH, TR)	CAS-no: 7664-38-2 Einecs nr: 231-633-2 EG annex nr: 015-011-00-6 REACH-no: 01-2119485924- 24	30 – 60	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1B, H314

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Phosphoric acid	CAS-no: 7664-38-2 Einecs nr: 231-633-2 EG annex nr: 015-011-00-6 REACH-no: 01-2119485924- 24	$(10 \le C < 25)$ Skin Irrit. 2, H315 $(10 \le C < 25)$ Eye Irrit. 2, H319 $(25 \le C < 100)$ Skin Corr. 1B, H314

Full text of H- and EUH-statements: see section 16

### **SECTION 4: First aid measures**

4.1. Description of first aid measures

: In all cases of doubt, or when symptoms persist, seek medical attention. General advice

Inhalation : Remove person to fresh air and keep comfortable for breathing.

Skin contact : Take off immediately all contaminated clothing. Wash skin with plenty of water. Call a

physician immediately. Immediately call a POISON CENTER/doctor.

Eye contact : Get medical advice/attention if you feel unwell.

Ingestion : Rinse mouth out with water. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects : Causes severe skin burns and eye damage.

Acute effects skin : Causes severe burns.
Acute effects eyes : Causes serious eye burns.

Acute effects oral route : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

No additional information available

### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : All extinguishing agents can be used. Foam. Dry powder. Carbon dioxide. Water spray.

Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Corrosive vapours. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing. Do not enter

fire area without proper protective equipment, including respiratory protection.

#### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb spilled material with sand or earth. Shovel or sweep up and put in a closed

container for disposal. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Absorb spillage to

prevent material damage.

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Additional hazards when processed : May be corrosive to metals.

Precautions for safe handling : Never mix with other materials. Never return unused material to original container. Provide

good ventilation in process area to prevent formation of vapour. Avoid contact during

pregnancy/while nursing.

Hygiene measures : Do not eat, drink or smoke when using this product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep only in original container. Store tightly closed in a dry and cool place.

Incompatible products : Strong bases.

Incompatible materials : Sources of ignition. Direct sunlight.

Material(s) to avoid : None known

Packaging materials : Store in corrosive resistant container with a resistant inner liner.

### 7.3. Specific end use(s)

No additional information available

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### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Phosphoric acid (7664-38-2)	
United Kingdom - Occupational Exposure Limits	
Local name	Orthophosphoric acid
WEL TWA (OEL TWA)	1 mg/m³
WEL STEL (OEL STEL)	2 mg/m³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

### Personal protective equipment symbol(s):









### 8.2.2.1. Eve and face protection

#### Eye protection:

Chemical goggles or face shield. Wear security glasses which protect from splashes

### 8.2.2.2. Skin protection

### Protective equipment:

Wear suitable protective clothing. Wear suitable protective clothing

### Hand protection:

Protective gloves. Wear protective gloves.

### 8.2.2.3. Respiratory protection

### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear appropriate mask

### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

### Other information:

Do not eat, drink or smoke during use.

### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

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Colour : Colourless. Molecular mass :  $\leq$  g/mol Odour : odourless.

Odour threshold : Not determined as it is not relevant for the characterization of the product

Melting point/range : 0 °C

Freezing point : Not determined as it is not relevant for the characterization of the product
Boiling point/Boiling range : Not determined as it is not relevant for the characterization of the product
Flammability : Not determined as it is not relevant for the characterization of the product

lon flammable

Explosive properties : Not determined as it is not relevant for the characterization of the product.

Lower explosion limit : Not determined as it is not relevant for the characterization of the product

Upper explosion limit : Not determined as it is not relevant for the characterization of the product

Flash point : Not determined as it is not relevant for the characterization of the product

Autoignition temperature : Not determined as it is not relevant for the characterization of the product

Decomposition temperature : Not determined as it is not relevant for the characterization of the product

pH :  $1,0 \pm 1$  (100%) Viscosity, kinematic : Not available

Viscosity, dynamic : 5,36 ± 3 mPa.s (20°C) Solubility : Soluble in water.

Partition coefficient n-octanol/water (Log Kow)

: Not determined as it is not relevant for the characterization of the product

Vapour pressure

: Not determined as it is not relevant for the characterization of the product

Vapour pressure at 50°C

: Not determined as it is not relevant for the characterization of the product

Density :  $1,17 \pm 0,1$  g/ml Relative density : 1,17 at (20°C)

Relative vapour density at 20°C : Not determined as it is not relevant for the characterization of the product

Particle characteristics : Not applicable

### 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

No additional information available

#### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Thermal decomposition generates: Corrosive vapours.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions. Not established

### 10.3. Possibility of hazardous reactions

Contact with alkaline products gives exothermic reaction. Not established.

### 10.4. Conditions to avoid

Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Never mix with other materials. Strong acids. Strong bases. metals. May be corrosive to metals.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates: Corrosive vapours.

#### **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation)

MIDA FLOW 245 HP	
ATE CLP (oral) 1666.667 mg/kg bodyweight	
Phosphoric acid (7664-38-2)	
LD50 oral rat	> 300 (<) mg/kg bodyweight

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Phosphoric acid (7664-38-2)	
LD50 dermal	2740 mg/kg bodyweight
LC50 Inhalation - Rat	850 mg/l
Skin corrosion/irritation	: Causes severe skin burns.
	pH: 1,0 ± 1 (100%)
Serious eye damage/irritation	: Assumed to cause serious eye damage
	pH: 1,0 ± 1 (100%)
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Phosphoric acid (7664-38-2)	
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Phosphoric acid (7664-38-2)	
Viscosity, kinematic	15.2 mm²/s @ 20°C

### 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available

### 11.2.2. Other information

Potential adverse human health effects and

symptoms

: Harmful if swallowed.

### **SECTION 12: Ecological information**

12.1. Toxicity

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term

(chronic)

: Not classified

Phosphoric acid (7664-38-2)	
LC50 - Fish [1]	3 – 3.25 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 - Other aquatic organisms [1]	> 100 mg/l
EC50 - Other aquatic organisms [2]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l
NOEC chronic algae	100 mg/l

### 12.2. Persistence and degradability

12.2. Persistence and degradability	
MIDA FLOW 245 HP	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. Not established.

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Phosphoric acid (7664-38-2)	
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
MIDA FLOW 245 HP	
Partition coefficient n-octanol/water (Log Kow)	Not determined as it is not relevant for the characterization of the product
Bioaccumulative potential	No bioaccumulation. Not established.
Phosphoric acid (7664-38-2)	
Log Pow	-0.77

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

Additional information

: Avoid release to the environment.

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations

: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Waste / unused products

**HP Code** 

: Collect all waste in suitable and labelled containers and dispose according to local legislation. Avoid release to the environment.

European List of Waste (LoW, EC 2000/532)

: 20 01 29\* - detergents containing dangerous substances

15 01 10\* - packaging containing residues of or contaminated by dangerous substances 15 02 02\* - absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

: HP8 - "Corrosive:" waste which on application can cause skin corrosion.

### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
UN 1805	UN 1805	UN 1805
14.2. UN proper shipping name		
PHOSPHORIC ACID, SOLUTION	PHOSPHORIC ACID SOLUTION	Phosphoric acid, solution
Transport document description		
UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III, (E)	UN 1805 PHOSPHORIC ACID SOLUTION, 8,	UN 1805 Phosphoric acid, solution, 8, III
14.3. Transport hazard class(es)		
8	8	8
8	8	B
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

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#### 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) · C1 Limited quantities (ADR) : 51

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19 Portable tank and bulk container instructions : T4

(ADR)

Portable tank and bulk container special provisions

(ADR)

: L4BN : AT Transport category (ADR) : 3 Special provisions for carriage - Packages (ADR) : V12

Hazard identification number (Kemler No.) : 80

Orange plates

Tank code (ADR) Vehicle for tank carriage

80

: TP1

Tunnel code : E EAC code : 2R

#### Transport by sea

Special provisions (IMDG) : 223 Packing instructions (IMDG) : P001, LP01 IBC packing instructions (IMDG) : IBC03

#### Air transport

PCA Limited quantities (IATA) : Y841 PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) : 852 PCA max net quantity (IATA) : 5L CAO packing instructions (IATA) : 856 CAO max net quantity (IATA) : 60L Special provisions (IATA) : A3

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### **SECTION 15: Regulatory information**

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

### 15.1.1. EU-Regulations

### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

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#### Detergent Regulation (648/2004)

Labelling of contents	
Component	%
phosphonates	<5%

### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: It is recommended to pass the information from this safety data sheet in an appropriate form to the users. The information is currently to the best of our knowledge and believed to be accurate and reliable. This information relates to the specifically named product and may not be valid in combination with other products.

This safety data sheet is in compliance with 1907/2006/EEC. It is the responsibility of the user to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H290	May be corrosive to metals.	
H302	Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
Met. Corr. 1	Corrosive to metals, Category 1	
Skin Corr. 1B	Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Met. Corr. 1	H290	Expert judgement
Acute Tox. 4 (Oral)	H302	Expert judgement
Skin Corr. 1A	H314	Expert judgement

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.