

**Productname :** MPW401FG  
**Ref.Nr.:** UDS000258\_3\_20170629 (EN)

**Creationdate :** 29.06.17 Version : 2.0  
**Replaces:** UDS000258\_20150121

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

### 1.1. Product identifier

**CLEAR MOULD PROTECTIVE**  
Aerosol

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

Anti Corrosion Products

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

**MOULDPRO APS**  
**BALTORPBAKKEN 10**  
**DK-2750 BALLERUP**  
**Tel.: +45 7020 3131**  
**E-mail : sales@mouldpro.com**

### 1.4. Emergency telephone number

(+45) 7020 3131 (office hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

**Physical:** Aerosols, category 1  
Extremely flammable aerosol.  
Pressurised container: May burst if heated.

Classification is based on test data.

**Health:** Skin irritation, category 2  
Causes skin irritation.  
Eye irritation, category 2  
Causes serious eye irritation.  
Specific target organ toxicity - single exposure, category 3  
May cause drowsiness or dizziness.

Classification based on calculation method.

**Environment:** Hazardous to the aquatic environment, chronic category 2  
Toxic to aquatic life with long lasting effects.




Classification based on calculation method.

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## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

<b>Product identifier:</b>	Contains: hydrocarbons,C6,isoalkanes,< 5% n-hexane propan-2-ol; isopropyl alcohol ;isopropanol
<b>Hazard pictogram(s):</b>	  
<b>Signal word:</b>	Danger
<b>Hazard statement(s):</b>	H222 : Extremely flammable aerosol. H229 : Pressurised container: May burst if heated. H315 : Causes skin irritation. H319 : Causes serious eye irritation. H336 : May cause drowsiness or dizziness. H411 : Toxic to aquatic life with long lasting effects.
<b>Precautionary statement(s):</b>	P102 : Keep out of reach of children. P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 : Do not spray on an open flame or other ignition source. P251 : Do not pierce or burn, even after use. P261 : Avoid breathing dust/fume/gas/mist/vapours/spray. P271 : Use only outdoors or in a well-ventilated area. P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501-2 : Dispose of contents/container to an authorised waste collection point.

## 2.3. Other hazards

No information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	01-2119485926-20	68512-91-4	270-990-9	30-60	Press. Gas, Flam. Gas 1	H280,H220	K,G
hydrocarbons,C6,isoalkanes,< 5% n-hexane	01-2119484651-34	-	(931-254-9)	30-60	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2	H225,H315,H336,H304,H411	Q
propan-2-ol; isopropanol alcohol	01-	67-63-0	200-	1-5	Flam. Liq. 2, Eye Irrit.	H225 H319 H336	R

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;isopropanol	2119457558-25		661-7		2, STOT SE 3		
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	01-2119488991-20	110-25-8	203-749-3	0-1	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1	H332,H315,H318,H400	B
4-hydroxy-4-methylpentan-2-one; diacetone alcohol	01-2119473975-21	123-42-2	204-626-7	0-1	Eye Irrit. 2	H319	
1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-	01-2119777867-13	95-38-5	202-414-9	0-1	Acute Tox. 4, Skin Corr. 1B, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1	H302,H314,H373,H400,H410	

**Explanation notes**

B : substance with national established workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7)of REACH Regulation No 1907/2006

K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)

Q : The CAS-no is only an indicative identifier to be used outside the EU for global inventory entries.

(\* Explanation phrases : see chapter 16)

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

<b>Contact with eyes :</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Contact with skin :</b>	Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation :</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Ingestion :</b>	If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

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

<b>Inhalation :</b>	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	Irritating to skin Symptoms : redness and pain
<b>Eye contact :</b>	Irritating to eyes Symptoms : redness and pain, impaired vision

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

<b>General Advice :</b>	If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

foam, carbon dioxide or dry agent  
Do not use water jet extinguishing media, due to the risk of spreading fire.

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

Aerosols may explode if heated above 50°C  
Forms hazardous decomposition products  
CO,CO2

### 5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes

## SECTION 6: Accidental release measures

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

Shut off all ignition sources  
Ensure adequate ventilation  
Wear suitable protective clothing and gloves.

### 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses  
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

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

Absorb spillage in suitable inert material  
Place in appropriate container  
This material and/or its container must be disposed of as hazardous waste.

### 6.4. Reference to other sections

For further information see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep away from heat and sources of ignition  
Take precautionary measures against static discharges  
Equipment should be earthed

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Use explosion-proof electrical/ventilating/lighting/.../equipment.  
 Use only non-sparking tools.  
 Do not breathe aerosols or vapours.  
 Ensure adequate ventilation  
 Avoid contact with skin and eyes.  
 Wash thoroughly after use  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Eyewash bottles should be available

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

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
 Keep out of reach of children.

**7.3. Specific end use(s)**

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

**8.1. Control parameters**

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
<b>EU established exposure limits:</b>			
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm

**8.2. Exposure controls**

**Control procedures :** Ensure adequate ventilation  
 Keep away from heat and sources of ignition  
 Take precautionary measures against static discharges

**Personal protection :** Take precautions to avoid contact with skin and eyes when handling the product.  
 Ensure adequate ventilation  
 In all cases handle and use the product in accordance with good industrial hygiene practices.

**inhalation :** In case of insufficient ventilation, wear suitable respiratory equipment.  
 recommended respiratory protection: Air purifying respirator equipped with organic gas/vapor cartridge (type A)

**hands and skin :** When handling the product wear chemical-resistant gloves (standard EN 374).  
 Recommended gloves: Nitrile  
 The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.  
 Depending on amount and duration of use and the risk of contact with the product the gloves manufacturer can assist you in the selection of the right glove material and breakthrough time.

**eyes :** Wear safety eyewear according to EN 166.

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**Environmental protection:** Avoid release to the environment.  
Collect spillage.

## SECTION 9: Physical and chemical properties

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

(for aerosols data for the product without propellant)

**Apperance : physical state :** Propane/butane propelled liquid.  
**colour :** Colorless.  
**odour :** Solvent.  
**pH :** Not applicable.  
**Boiling point/range :** 55 °C  
**Flash point :** - 26 °C  
**Evaporation rate :** Not available.  
**Explosion limits : upper limit :** 9.4 %  
**lower limit :** 1.1 %  
**Vapour pressure :** Not available.  
**Relative density :** 0.71 g/cm<sup>3</sup> (@ 20°C).  
**Solubility in water :** Insoluble in water  
**Auto-ignition :** > 200 °C  
**Viscosity :** Not available.

### 9.2. Other information

**VOC = volatile organic compounds** 575 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

### 10.4. Conditions to avoid

Avoid overheating

### 10.5. Incompatible materials

Strong oxidising agent

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## 10.6. Hazardous decomposition products

CO,CO2

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>acute toxicity:</b>	based on available data the classification criteria are not met
<b>skin corrosion/irritation:</b>	Causes skin irritation.
<b>serious eye damage/irritation:</b>	Causes serious eye irritation.
<b>respiratory or skin sensitisation:</b>	based on available data the classification criteria are not met
<b>germ cell mutagenicity:</b>	based on available data the classification criteria are not met
<b>carcinogenicity:</b>	based on available data the classification criteria are not met
<b>toxicity for reproduction:</b>	based on available data the classification criteria are not met
<b>STOT-single exposure:</b>	May cause drowsiness or dizziness.
<b>STOT repeated exposure:</b>	based on available data the classification criteria are not met
<b>aspiration hazard:</b>	based on available data the classification criteria are not met

### Information on likely routes of exposure:

<b>Inhalation :</b>	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.
<b>Skin contact :</b>	Irritating to skin
<b>Eye contact :</b>	Irritating to eyes

### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	LD50 oral rat	9200 mg/kg
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	LD50 oral rat	5840 mg/kg
		LC50 inhal.rat	> 25000 mg/l
		LD50 derm.rabit	13900 mg/kg
hydrocarbons,C6,isoalkanes,< 5% n-hexane	-	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 20 mg/l
		LD50 derm.rabit	> 3000 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, chronic category 2  
 Toxic to aquatic life with long lasting effects.

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**Ecotoxicological data:**

Hazardous ingredient	CAS-nr.	method	
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	IC50 algae	5.1 mg/l
		LC50 fish	3.2-4.6 mg/l
		EC50 daphnia	0.53 mg/l
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	IC50 algae	1000 mg/l
		LC50 fish	9640 mg/l
		EC50 daphnia	9714 mg/l
hydrocarbons,C6,isoalkanes,< 5% n-hexane	-	IC50 algae	55 mg/l
		LC50 fish	> 1 mg/l
		EC50 daphnia	3.87 mg/l

**12.2. Persistence and degradability**

No information available

**12.3. Bioaccumulative potential**

No information available

**12.4. Mobility in soil**

Insoluble in water

**12.5. Results of PBT and vPvB assessment**

No information available

**12.6. Other adverse effects**

No information available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Product :** This material and its container must be disposed of in a safe way.  
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

**National regulations :** Disposal should be in accordance with local, state or national legislation

**SECTION 14: Transport information****14.1. UN number**

UN-number : 1950



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#### 14.2. UN proper shipping name

Proper shipping name: AEROSOLS (hydrocarbons)

#### 14.3. Transport hazard class(es)

Class: 2.1  
ADR/RID - Classification code: 5F

#### 14.4. Packing group

Packing group: Not applicable.

#### 14.5. Environmental hazards

ADR/RID - Environmentally hazardous: Yes  
IMDG - Marine pollutant: Marine pollutant  
IATA/ICAO - Environmentally hazardous: Yes

#### 14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)  
IMDG - Ems: F-D, S-U  
IATA/ICAO - PAX: 203  
IATA/ICAO - CAO: 203

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

Not applicable.

### SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.  
Regulation (EC) No 1907/2006 (REACH)  
Regulation (EC) No 1272/2008 (CLP)  
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information

\*Explanation hazard statements: H220 : Extremely flammable gas.

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H225 : Highly flammable liquid and vapour.  
H280 : Contains gas under pressure; may explode if heated.  
H302 : Harmful if swallowed.  
H304 : May be fatal if swallowed and enters airways.  
H314 : Causes severe skin burns and eye damage.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.  
H336 : May cause drowsiness or dizziness.  
H373 : May cause damage to organs through prolonged or repeated exposure  
.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H411 : Toxic to aquatic life with long lasting effects.

REVISIONS IN CHAPTRE : 8.2. Exposure controls  
acronyms and synonyms: TWA = time weight average  
STEL = short time exposure limit  
VOC = volatile organic compounds  
PBT = persistant bioaccumulative toxic  
vPvB = very persitant very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.