

**Safety Data Sheet**  
According to 1907/ 2006/EC, Article 31

Trade Name : 4M N.C Surfacer Gery H.V  
Printing date 01.06.2020

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**1 Identification of the substance/mixture and of the company/undertaking**

- *Product identifier*
- *Trade name: 4M N.C Surfacer Gery H.V*
- *Relevant identified uses of the substance or mixture and uses advised against*  
*No further relevant information available.*
- *Application of the substance / the mixture* **N.C Paint**
- *Details of the supplier of the safety data sheet*
- *Manufacturer/Supplier:*  
4M For Coatings co.  
Industry Area , Area G, Block C9  
Port Said Governorate  
Egypt  
Ch.M\_Loutfy@4mcoatings.com
- *Further information obtainable from: Product safety department*
- *Emergency telephone number: During normal opening times: +2 01099354294*

**2 Hazards identification**

- *Classification of the substance or mixture*
- *Classification according to Regulation (EC) No 1263/2012*



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

STOT SE 2 H371 May cause damage to organs.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- *Label elements*
- *Labelling according to Regulation (EC) No 1263/2012*  
*The product is classified and labelled according to the CLP regulation.*

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· **Hazard pictograms**



GHS02    GHS07    GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

*xylene*  
*n-butyl acetate*  
*methanol*  
*2-butoxyethanol*

· **Hazard statements**

*H225 Highly flammable liquid and vapour.*  
*H332 Harmful if inhaled.*  
*H315 Causes skin irritation.*  
*H371 May cause damage to organs.*  
*H336 May cause drowsiness or dizziness.*

· **Precautionary statements**

*P101                    If medical advice is needed, have product container or label at hand.*  
*P102                    Keep out of reach of children.*  
*P103                    Read label before use.*  
*P210                    Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*  
*P241                    Use explosion-proof electrical/ventilating/lighting equipment.*  
*P260                    Do not breathe dust/fume/gas/mist/vapours/spray.*  
*P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*  
*P405                    Store locked up.*  
*P501                    Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Additional information:**

*35 % of the mixture consists of component(s) of unknown toxicity.*

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*  
· **vPvB:** *Not applicable.*

### 3 Composition/information on ingredients

· **Chemical characterisation:** *Mixtures*

· **Description:** *Mixture of substances listed below with nonhazardous additions.*

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<i>· Dangerous components:</i>		
	short oil alkyd resin ⚠ Flam. Liq. 3, H226	> 25 – ≤ 50%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	> 10 – ≤ 25%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9	xylene ⚠ Flam. Liq. 3, H226 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	> 2.5 – ≤ 10%
CAS: 67-56-1 EINECS: 200-659-6 Index number: 603-001-00-X	methanol ⚠ Flam. Liq. 2, H225 ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 ⚠ STOT SE 1, H370	> 2.5 – ≤ 10%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	> 2.5 – ≤ 10%

*· Additional information:* For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

*· Description of first aid measures*

*· General information:*

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

*· After inhalation:*

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

*· After skin contact:* Immediately wash with water and soap and rinse thoroughly.

*· After eye contact:* Rinse opened eye for several minutes under running water.

*· After swallowing:* If symptoms persist consult doctor.

*· Information for doctor:*

*· Most important symptoms and effects, both acute and delayed* No further relevant information available.

*· Indication of any immediate medical attention and special treatment needed*

No further relevant information available.

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### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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· *Specific end use(s) No further relevant information available.*

### 8 Exposure controls/personal protection

· *Additional information about design of technical facilities: No further data; see item 7.*

· *Control parameters*

· *Ingredients with limit values that require monitoring at the workplace:*

#### 1330-20-7 xylene

IOELV Short-term value: 442 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 221 mg/m<sup>3</sup>, 50 ppm  
Skin

#### 67-56-1 methanol

IOELV Long-term value: 260 mg/m<sup>3</sup>, 200 ppm  
Skin

#### 111-76-2 2-butoxyethanol

IOELV Short-term value: 246 mg/m<sup>3</sup>, 50 ppm  
Long-term value: 98 mg/m<sup>3</sup>, 20 ppm  
Skin

· *Additional information: The lists valid during the making were used as basis.*

· *Exposure controls*

· *Personal protective equipment:*

· *General protective and hygienic measures:*

*Keep away from foodstuffs, beverages and feed.*

*Immediately remove all soiled and contaminated clothing*

*Wash hands before breaks and at the end of work.*

*Avoid contact with the skin.*

*Avoid contact with the eyes and skin.*

· *Respiratory protection:*

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

· *Protection of hands:*



Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

· *Material of gloves*

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the*

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resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Liquid

Colour:

According to product specification

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

Melting point/freezing point:

Undetermined.

Initial boiling point and boiling range: 64.7 °C

· **Flash point:**

25 °C

· **Flammability (solid, gas):**

Not applicable.

· **Ignition temperature:**

240 °C

· **Decomposition temperature:**

Not determined.

· **Auto-ignition temperature:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

Lower:

1.1 Vol %

Upper:

7.5 Vol %

· **Vapour pressure at 20 °C:**

10.7 hPa

· **Density at 20 °C:**

≥ 0.9 g/cm<sup>3</sup>

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

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· <i>Evaporation rate</i>	<i>Not determined.</i>
· <i>Solubility in / Miscibility with water:</i>	<i>Not miscible or difficult to mix.</i>
· <i>Partition coefficient: n-octanol/water:</i>	<i>Not determined.</i>
· <i>Viscosity:</i>	
<i>Dynamic at 20 °C:</i>	<i>≥ 2,000 mPas</i>
<i>Kinematic:</i>	<i>Not determined.</i>
· <i>Solvent content:</i>	
<i>Organic solvents:</i>	<i>40.0 %</i>
<i>VOC (EC)</i>	<i>40.00 %</i>
<i>Solids content:</i>	<i>25.0 %</i>
· <i>Other information</i>	<i>No further relevant information available.</i>

### 10 Stability and reactivity

- **Reactivity** *No further relevant information available.*
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

### 11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity**

*Harmful if inhaled.*

· **LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Oral	LD50	29,600 mg/kg (rat)
Dermal	LD50	5,714 mg/kg
Inhalative	LC50/4 h	5 mg/l

**123-86-4 n-butyl acetate**

Oral	LD50	13,100 mg/kg (rat)
Dermal	LD50	> 5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 21 mg/l (rat)

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<b>1330-20-7 xylene</b>		
Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
<b>67-56-1 methanol</b>		
Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)
<b>111-76-2 2-butoxyethanol</b>		
Oral	LD50	1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause damage to organs.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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### 13 Disposal considerations

- *Waste treatment methods*
- *Recommendation*  
*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*

· <i>European waste catalogue</i>	
HP 3	Flammable
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 6	Acute Toxicity

- *Uncleaned packaging:*
- *Recommendation:* Disposal must be made according to official regulations.

### 14 Transport information

· <i>UN-Number</i>	
· <i>ADR, IMDG, IATA</i>	UN1263
· <i>UN proper shipping name</i>	
· <i>ADR</i>	1263 PAINT
· <i>IMDG, IATA</i>	PAINT
· <i>Transport hazard class(es)</i>	
· <i>ADR, IMDG, IATA</i>	
	
· <i>Class</i>	3 Flammable liquids.
· <i>Label</i>	3
· <i>Packing group</i>	
· <i>ADR, IMDG, IATA</i>	III
· <i>Environmental hazards:</i>	Not applicable.
· <i>Special precautions for user</i>	Warning: Flammable liquids.
· <i>Danger code (Kemler):</i>	33
· <i>EMS Number:</i>	F-E,S-E
· <i>Stowage Category</i>	A
· <i>Transport in bulk according to Annex II of Marpol and the IBC Code</i>	Not applicable.

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*· Transport/Additional information:*

*· ADR*

*· Limited quantities (LQ)*

500 ml

*· Excepted quantities (EQ)*

Code: E3

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 300 ml

*· Transport category*

III

*· Tunnel restriction code*

D/E

*· IMDG*

*· Limited quantities (LQ)*

500 ml

*· Excepted quantities (EQ)*

Code: E3

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 300 ml

*· UN "Model Regulation":*

UN 1263 PAINT, 3,3

### 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture*
- Directive 2012/18/EU*
- Named dangerous substances - ANNEX I None of the ingredients is listed.*
- Seveso category P5c FLAMMABLE LIQUIDS*
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t*
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t*
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3*
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.*

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

*· Relevant phrases*

*H225 Highly flammable liquid and vapour.*

*H226 Flammable liquid and vapour.*

*H301 Toxic if swallowed.*

*H302 Harmful if swallowed.*

*H311 Toxic in contact with skin.*

*H312 Harmful in contact with skin.*

*H315 Causes skin irritation.*

*H319 Causes serious eye irritation.*

*H331 Toxic if inhaled.*

*H332 Harmful if inhaled.*

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*H336 May cause drowsiness or dizziness.*

*H370 Causes damage to organs.*

· **Department issuing SDS:** Product safety department

· **Contact:** Mr. Mohamed Nabil

· **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 Harmonised 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 (division of the American Chemical Society)*

*VOC: Volatile Organic Compounds (USA, EU)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 2: Flammable liquids – Category 2*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Acute Tox. 3: Acute toxicity – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

*STOT SE 1: Specific target organ toxicity (single exposure) – Category 1*

*STOT SE 2: Specific target organ toxicity (single exposure) – Category 2*

*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

· **\* Data compared to the previous version altered.**