

# Material Safety Data Sheet

Conforms to 1907/2006/EEC [REACH Art. Nr. 31]

## General

Article number: 4010  
Description: Colad® Undercoating M80 Black



## 1a. Identification of the substance

Product name: Colad® Undercoating M80 Black

## 1b. Name of supplier:

**E.M.M. International BV**

Address: Marsweg 59  
Postal code/ City: NL- 8013 PE ZWOLLE  
Telephone-number: + 31-38-4676600  
Fax-number: + 31-38-4676699  
Telephone-number for emergencies: + 31-38-4676600

## 2. Risks

### · Hazard description:



Xi Irritant



F Highly flammable



N Dangerous for the environment

### · Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Has a narcotizing effect.

R 11 Highly flammable.

R 38 Irritating to skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

### · Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 3. Composition/information components

#### Chemical characterization

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

· **Dangerous components:**

CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	10-<25%
EINECS: 265-151-9	Xn, Xi, F, N; R 11-38-51/53-65-67	
CAS: 141-78-6	Ethyl acetate	10-<25%
EINECS: 205-500-4	Xi, F; R 11-36-66-67	
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	5-<10%
EINECS: 265-151-9	Xn, Xi, F, N; R 11-38-51/53-65-67	
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	5-<10%
EINECS: 265-151-9	Xn, Xi, F, N; R 11-38-51/53-65-67	
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.	1-<5%
EINECS: 265-199-0	Xn, Xi, N; R 10-37-51/53-65-66-67	

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

### 4. First aid procedure

- **General information:** No special measures required.
- **After inhalation:** 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.

### 5. Fire-extinguisher

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**  
Water.  
Water with full jet.
- **Protective equipment:** No special measures required.

### 6. Accidental release measures

- **Person-related safety precautions:**  
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents.

### 7. Handling precautions and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **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.

**8. Measures to control exposure/personal protection**

· **Additional information about design of technical facilities:**

No further data; see item 7.

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

**141-78-6 Ethyl acetate (10-<25%)**

WEL () Short-term value: 400 ppm

Long-term value: 200 ppm

· **CAS No. Designation of material % Type Value Unit**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:**

The lists valid during the making were used as basis.

· **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.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the skin.  
Avoid close or long term 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.

· **Material of gloves**

Fluorocarbon rubber (Viton).

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 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**

> 480 min.

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.

Goggles recommended during refilling.

· **Body protection:**

Use protective suit.

## 9. Physical and chemical data

### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	Black
<b>Odour:</b>	Characteristic

### · Change in condition

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 78°C

· **Flash point:** -9°C (DIN 53213)

· **Ignition temperature:** 200°C

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

### · Explosion limits:

**Lower:** 1.1 Vol %

**Upper:** 10.5 Vol %

· **Vapour pressure At 20°C:** 97 hPa

· **Vapour pressure At 50°C:** 306 hPa

· **Density At 20°C:** 1.04 g/cm<sup>3</sup> (DIN 51757)

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

### · Viscosity:

**Dynamic At 20°C:** 690 mPas

### · Solvent content:

**Organic solvents:** 53.0 %

· **Solids content:** 47.0 % (DIN 53216)

### · Additional information:

**VOC (EU):** 53.09 %

**VOC (EU):** 552.2 g/l

## 10 Stability and reactivity

### · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

### · Dangerous reactions:

No dangerous reactions known.

### · Dangerous decomposition products:

No dangerous decomposition products known.

## 11. Toxicological information

### · Acute toxicity:

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

#### **64742-95-6 Solvent naphtha (petroleum), light arom.**

Oral LD50 >6800 mg/kg (RAT)

Dermal LD50 >3400 mg/kg (RAT)

Inhalative LC50/4 h >10.2 mg/l (RAT)

### · Primary irritant effect:

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

### · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant.

## 12. Ecological data

### Ecotoxicological effects:

### · Acquatic toxicity:

#### **64742-49-0 Naphtha (petroleum), hydrotreated light**

EC50/48 h 10 mg/l (PHAEOPHYTA)

· **Remark:** Toxic for fish

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms.

**13. Instructions for removal**

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

**14. Transport classification**

· **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1139
- **Packaging group:** II
- **Hazard label:** 3
- **Special marking:** Symbol (fish and tree)
- **Description of goods:** 1139 COATING SOLUTION, special provision 640D
- **Limited quantities (LQ):** LQ6
- **Transport category:** 2
- **Tunnel restriction code:** D/E

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1139
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** Yes
- **Proper shipping name:** Symbol (fish and tree)  
COATING SOLUTION

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1139
- **Label:** 3
- **Packaging group:** II
- **Proper shipping name:** COATING SOLUTION

• **Environmental hazards:**

Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID

• **Transport/Additional information:**

For ADR and IMDG: Transport and packing are in accordance with the regulation for limited quantities.  
These products are therefore classified as no dangerous goods.

**15. Legally obliged data**

• **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

The product has been marked in accordance with EU Directives / respective national laws.  
The R and S phrases may be omitted if packaging contains no more than 0.125 litre.

• **Code letter and hazard designation of product:**



Xi Irritant



F Highly flammable



N Dangerous for the environment

• **Risk phrases:**

- 11 Highly flammable.
- 38 Irritating to skin.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

• **Safety phrases:**

- 9 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe fumes.
- 24 Avoid contact with skin.
- 51 Use only in well-ventilated areas.
- 57 Use appropriate container to avoid environmental contamination.

• **National regulations:**

• **Technical instructions (air):**

Class	Share in %
NK	53.1

• **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

• **Other regulations, limitations and prohibitive regulations:**

**Substances of very high concern (SVHC) according to REACH, Article 57:**  
85-68-7                      BBP

**16. Further 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 R-phrases:**

- 10 Flammable.
- 11 Highly flammable.
- 36 Irritating to eyes.
- 37 Irritating to respiratory system.
- 38 Irritating to skin.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

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