



# New Guard Coatings Group

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# SAFETY DATA SHEET

GUARD SOLVENT E

Page: 1

Compilation date: 16/06/2023

Revision date: 16/06/2023

Product Code: GSOLE

Document Reference: A1SOLE2.1

Revision No: 1

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

### 1.1. Product identifier

**Product name:** GUARD SOLVENT E

**REACH registered number(s):** 01-2119457290-43

**CAS number:** 78-93-3

**EINECS number:** 201-159-0

**Index number:** 2020

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

**Use of substance / mixture:** Solvent for industrial use.

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

**Company name:** New Guard Coatings Group

Sandbeck Way

Wetherby

West Yorkshire

LS22 7DN

**Tel:** 01937 586311

**Email:** [uksales@newguardcoatings.com](mailto:uksales@newguardcoatings.com)

### 1.4. Emergency telephone number

**Emergency tel:** 01937 586311 (Office Hours Only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** STOT SE 3: H336; Eye Irrit. 2: H319; Flam. Liq. 2: H225; -: EUH066

**Most important adverse effects:** Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark

[cont...]

# SAFETY DATA SHEET

GUARD SOLVENT E

Page: 2



**Signal words:** Danger

**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261: Avoid breathing vapours.  
P243: Take action to prevent static discharges.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.

## 2.3. Other hazards

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** ETHYL METHYL KETONE

**CAS number:** 78-93-3

**EINECS number:** 201-159-0

**REACH registered number(s):** 01-2119457290-43

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. If large areas of the skin are damaged or if irritation persists seek medical attention.

**Eye contact:** Remove any contact lenses and open eyes wide apart. Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Get medical attention if any discomfort continues

**Ingestion:** Wash out mouth with water. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing stops or shows signs of failing, give artificial respiration. Get medical advice if the symptoms continue.

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

**Skin contact:** There may be irritation and redness at the site of contact.

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# SAFETY DATA SHEET

## GUARD SOLVENT E

Page: 3

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

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

**Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

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# SAFETY DATA SHEET

GUARD SOLVENT E

Page: 4

## 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space. Avoid the formation or spread of mists in the air.  
Smoking is forbidden. Use non-sparking tools.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area.  
Ensure lighting and electrical equipment are not a source of ignition.

**Suitable packaging:** Must only be kept in original packaging.

## 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Workplace exposure limits:

State	Respirable dust	
	8 hour TWA	15 min. STEL
UK	600 mg/m <sup>3</sup>	899 mg/m <sup>3</sup>

#### Respirable dust

#### Hazardous ingredients:

#### ETHYL METHYL KETONE

#### Workplace exposure limits:

State	Respirable dust	
	8 hour TWA	15 min. STEL
UK	600 mg/m <sup>3</sup>	899 mg/m <sup>3</sup>

#### Respirable dust

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used. Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Nitrile gloves. Viton gloves.

**Eye protection:** Safety goggles. Ensure eye bath is to hand.

**Skin protection:** Wear appropriate clothing to prevent any possibility of skin contact.

**Environmental:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

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# SAFETY DATA SHEET

GUARD SOLVENT E

Page: 5

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Characteristic odour

**Evaporation rate:** Moderate

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Also soluble in:** Most organic solvents.

**Boiling point/range°C:** 79-81

**Melting point/range°C:** -86

**Flammability limits %: lower:** 1.8

**upper:** 11.5

**Flash point°C:** -6

**Autoflammability°C:** > 404

**Vapour pressure:** 9.99kPa@20C

**Relative density:** 0.807

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

[cont...]

# SAFETY DATA SHEET

GUARD SOLVENT E

Page: 6

## Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
Daphnia magna	48H EC50	>100	mg/l
FISH	96H LC50	>100	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Disposal of packaging:** As for substance. Used containers must not be cut up or punctured until completely purged of product residues.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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# SAFETY DATA SHEET

GUARD SOLVENT E

Page: 7

## Section 14: Transport information

### 14.1. UN number

UN number: UN1193

### 14.2. UN proper shipping name

Shipping name: ETHYL METHYL KETONE (METHYL ETHYL KETONE)

### 14.3. Transport hazard class(es)

Transport class: 3

### 14.4. Packing group

Packing group: II

### 14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

### 14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 2

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH066: Repeated exposure may cause skin dryness or cracking.

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.