



# New Guard Coatings Group

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## SAFETY DATA SHEET

GUARD SOLVENT F

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Compilation date: 20/04/2009

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Revision No: 1

Reference: A0055B

Sent to: Public Server Addition.

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

#### 1.1. Product identifier

**Product name:** GUARD SOLVENT F

**REACH registered number(s):** 01-2119458049-33

**CAS number:** 64742-82-1

**Synonyms:** HYDROCARBONS,C9-C12,N-ALKANES,AROMATICS(2-25%)  
WS

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

**Use of substance / mixture:** Manufacture of substance. Distribution of substance. Formulation & (re)packing of substances and mixtures. Uses in coatings. Use in cleaning agents. Lubricant / Lubricating oil. Use as a fuel. Use in metal working fluids / Rolling oils. Agrochemical uses. Use as a functional fluid. Laboratories. Road and construction applications. This product is not recommended for any industrial, professional or consumer use other than the identified Uses above.

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

**Global Head Office:** New Guard Coatings Group  
Sandbeck Way  
Wetherby  
West Yorks  
LS22 7DN  
United Kingdom



**Tel:** 01937 586311

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

[www.newguardcoatings.com](http://www.newguardcoatings.com)

#### 1.4. Emergency telephone number

**Emergency tel:** 01423 358058 (Office Hours Only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CHIP:** -: R10; Xn: R65; Xn: R48/20; -: R66; -: R67; N: R51/53

**Classification under CLP:** STOT SE 3: H336; Aquatic Chronic 2: H411; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT RE 1: H372; -: EUH066

**Most important adverse effects:** Flammable. Harmful: may cause lung damage if swallowed. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Repeated exposure may

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cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 2.2. Label elements

#### Label elements under CLP:

**Hazard statements:** H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H336: May cause drowsiness or dizziness.  
H372: Causes damage to organs through prolonged or repeated exposure.  
H411: Toxic to aquatic life with long lasting effects.  
EUH066: Repeated exposure may cause skin dryness or cracking.

**Signal words:** Danger

**Hazard pictograms:** GHS07: Exclamation mark  
GHS02: Flame  
GHS09: Environmental  
GHS08: Health hazard



**Precautionary statements:** P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P241: Use explosion-proof electrical/ventilating/lighting equipment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P273: Avoid release to the environment.

#### Label elements under CHIP:

**Hazard symbols:** Harmful.  
Dangerous for the environment.



**Risk phrases:** R10: Flammable.  
R65: Harmful: may cause lung damage if swallowed.  
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:** S23: Do not breathe vapour.

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S24: Avoid contact with skin.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDRODESULPHURIZED HEAVY

**CAS number:** 64742-82-1

**REACH registered number(s):** 01-2119458049-33

**Contains:** Substance contains less than 0.1%w/w benzene.

## 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. Seek medical advice if soreness or redness persist.

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

**Ingestion:** NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Drink plenty of water. If vomiting occurs, keep head low. Get medical attention immediately.

**Inhalation:** Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical advice. 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 mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No specific health warnings noted.

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

**Immediate / special treatment:** Not applicable.

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## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Foam, Dry Powder, Co2, Halon, fine water spray suitable. Suitable extinguishing media for the surrounding fire should be used.

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

**Exposure hazards:** Vapour may travel considerable distance to source of ignition and flash back. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 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. Turn leaking containers leak-side up to prevent the escape of liquid. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

### 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.

### 6.4. Reference to other sections

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

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid spilling. Avoid contact with skin and eyes. Avoid direct contact with the substance. Avoid all sources of ignition. Take precautionary measures against static discharges. Ensure all equipment is properly earthed. Avoid inhaling vapour

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

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Suitable packaging:** Original container stored in a dry and cool place.

### 7.3. Specific end use(s)

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

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## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Workplace exposure limits:

#### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	350mg/m <sup>3</sup> (The mix)	-	-	-

### DNEL/PNEC Values

#### WHITE SPIRIT

Type	Exposure	Value	Population	Effect
DNEL	Dermal	44mg/kg	Workers	Systemic
DNEL	Inhalation	330mg/m <sup>3</sup>	Workers	-
DNEL	Dermal	26 mg/kg	Consumers	Systemic
DNEL	Inhalation	71 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Oral	26 mg/kg	Consumers	Systemic

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Respiratory protection:** Unlikely to be necessary where adequate ventilation is provided.

**Hand protection:** Ensure gloves are manufactured/tested in accordance with BS EN 374. Nitrile gloves. PVA gloves. Neoprene gloves.

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

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Hydrocarbon

**Evaporation rate:** No data available.

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

**Solubility in water:** Insoluble

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

**Viscosity:** Viscous

**Kinematic viscosity:** 0.012cm<sup>2</sup>/s

**Boiling point/range°C:** 135-200

**Melting point/range°C:** <-20

**Flammability limits %: lower:** 0.6

**upper:** 7.2

**Flash point°C:** 38

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** >200

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Relative density: 0.750

Vapour pressure: 0.23 kPa@20c

pH: No data available.

VOC g/l: No data available.

## 9.2. Other information

Other information: Surface tension : 0.02 mN/m (25 C)

## 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.

### 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. Flames. Sources of ignition.

### 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 of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
VAPOURS	RAT	4H LC50	>13.1	mg/l
DERMAL	RBT	LD50	>3400	mg/kg
ORAL	RAT	LD50	>15000	mg/kg

#### Relevant hazards for substance:

Hazard	Route	Basis
STOT-single exposure	-	Based on test data
STOT-repeated exposure	-	Based on test data
Aspiration hazard	-	Based on test data

### Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

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**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No specific health warnings noted.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
Daphnia magna	48H EC50	10-20	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

**Mobility:** No data available.

### 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:** Toxic to aquatic organisms. Toxic to soil organisms.

## 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.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1300

### 14.2. UN proper shipping name

**Shipping name:** TURPENTINE SUBSTITUTE

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## 14.3. Transport hazard class(es)

Transport class: 3

## 14.4. Packing group

Packing group: III

## 14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

## 14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 3

## 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 453/2010.

\* 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.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H336: May cause drowsiness or dizziness.

H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411: Toxic to aquatic life with long lasting effects.

R10: Flammable.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

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**Legend to abbreviations:** PNEC = predicted no effect level  
DNEL = derived no effect level  
LD50 = median lethal dose  
LC50 = median lethal concentration  
EC50 = median effective concentration  
IC50 = median inhibitory concentration  
dw = dry weight  
bw = body weight  
cc = closed cup  
oc = open cup  
MUS = mouse  
GPG = guinea pig  
RBT = rabbit  
HAM = hamster  
HMN = human  
MAM = mammal  
PGN = pigeon  
IVN = intravenous  
SCU = subcutaneous  
SKN = skin  
DRM = dermal  
OCC = ocular/corneal  
PCP = physico-chemical properties

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