



**SAFETY DATA SHEET**  
NU-FLAME STEEL TOPCOAT

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Compilation date: 19/01/2017

Revision No: 1

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

**1.1. Product identifier**

**Product name:** NU-FLAME STEEL TOPCOAT

**Product code:** HPC 104

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

**Use of substance / mixture:** Consumer applications, Professional applications

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

**Company name:** Hydron Protective Coatings Ltd

Unit 7, Phoenix Road

Wednesfield

Wolverhampton

WV11 3PX

United Kingdom

**Tel:** +44(0)1902 450 950

**Email:** [enquiries@hydronpc.co.uk](mailto:enquiries@hydronpc.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** +44(0)1902 450 950

(office hours only)

**Section 2: Hazards identification**

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

**Classification under CLP:** Flam. Liq. 3: H226

**Most important adverse effects:** Flammable liquid and vapour.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H226: Flammable liquid and vapour.

**Hazard pictograms:** GHS02: Flame



**Signal words:** Warning

**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P370+378: In case of fire: Use carbon dioxide to extinguish.

P233: Keep container tightly closed.

[cont...]

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P240: Ground container and receiving equipment.  
P501: Dispose of contents/container to.  
P403+235: Store in a well-ventilated place. Keep cool.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water.

### 2.3. Other hazards

**Other hazards:** Flammable.

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

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** NU-FLAME STEEL TOPCOAT

## 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.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Consult a doctor. Do not induce vomiting.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing becomes bubbly, have the casualty sit and provide oxygen if available.

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

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Carbon dioxide. Dry chemical powder.

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

**Exposure hazards:** Flammable.

[cont...]

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**5.3. Advice for fire-fighters**

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

**Section 6: Accidental release measures**

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

**Personal precautions:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Remove all incompatible materials as outlined in section 10 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate container.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Smoking is forbidden.

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

**Storage conditions:** Store in a cool, well ventilated area. Avoid incompatible materials and conditions - see section 10 of SDS. Keep away from sources of ignition. Keep away from direct sunlight. Avoid contact with water or humidity.

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

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

**Specific end use(s):** No special requirement.

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

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

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**8.2. Exposure controls**

**Respiratory protection:** Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, chec

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Various

**Odour:** Hydrocarbon (slight)

**Evaporation rate:** Not applicable.

**Oxidising:** Not applicable.

**Solubility in water:** Insoluble in cold water

**Viscosity:** 60 - 100 s (ISO 6mm)

**Boiling point/range°C:** 145

**Melting point/range°C:** No data available.

**Flammability limits %: lower:** 0.61

**upper:** 6.21

**Flash point°C:** Closed cup: 41°C

**Vapour pressure:** Highest known value:

**Relative density:** 1.17

**pH:** No data available.

**9.2. Other information**

**Other information:** Not applicable.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** No data available.

**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.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Oxidising agents. Strong acids. Alkalis.

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**10.6. Hazardous decomposition products**

**Haz. decomp. products:** Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicity values:**

| Route   | Species | Test    | Value | Units |
|---------|---------|---------|-------|-------|
| ORAL    | RAT     | LD50    | >6    | g/kg  |
| VAPOURS | RAT     | 4H LC50 | 8500  | mg/kg |

**Symptoms / routes of exposure**

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

**Other information:** Not applicable.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:**

| Species                                 | Test     | Value  | Units |
|---|----------|--------|-------|
| BLUEGILL ( <i>Lepomis macrochirus</i> ) | 4H LC50  | 2200   | µg/l  |
| FISH                                    | 96H LC50 | 843000 | µg/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**

**Persistence (P-):**

**Persistence result:** not P-

**Bioaccumulation (B-):**

**Bioconcentration factor (BCF):** 159

**Bioaccumulation result:** not B-

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**Toxicity (T-):**

**Toxicity result:** not T-

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

**12.6. Other adverse effects**

**Other adverse effects:** No known significant effects or critical hazards.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** The generation of waste should be avoided or minimised wherever possible.  
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation.

**Disposal of packaging:** Dispose of as normal industrial waste.

**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:** UN1263

**14.2. UN proper shipping name**

**Shipping name:** PAINT  
(LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM),  
HYDROTREATED HEAVY; Kerosine - UNSPECIFIED - DISTILLATES (PETROLEUM),  
HYDROTREATED LIGHT; 2-BUTANONE OXIME)

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

**Transport class:** 3

**14.4. Packing group**

**Packing group:** I

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Tunnel code:** D/E

**Transport category:** 1

**Section 15: Regulatory information**

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

**Specific regulations:** Not applicable.

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**15.2. Chemical Safety Assessment**

**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:** H226: Flammable liquid and vapour.

**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.