



SAFETY DATA SHEET
NU-GUARD HIGH SOLIDS ACT

Page: 1

Compilation date: 03/12/2018

Revision No: 1

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

1.1. Product identifier

Product name: NU-GUARD HIGH SOLIDS ACT

Product code: HPC 05A

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

Use of substance / mixture: PC9a: Coatings and paints, thinners, paint removers.

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

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: STOT RE 2: H373; Acute Tox. 4: H302; Aquatic Chronic 2: H411; Flam. Liq. 3: H226; Muta. 2: H341; Skin Corr. 1B: H314; Skin Sens. 1: H317; STOT SE 2: H371

Most important adverse effects: Flammable liquid and vapour. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing genetic defects. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H341: Suspected of causing genetic defects.

[cont...]

SAFETY DATA SHEET

NU-GUARD HIGH SOLIDS ACT

Page: 2

H371: May cause damage to organs.

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS02: Flame
GHS05: Corrosion
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental



Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241: Use explosion-proof equipment.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P308+P311: IF exposed or concerned: Call a POISON CENTER or doctor.
P362+P364: Take off contaminated clothing and wash it before reuse.

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

3.2. Mixtures

Hazardous ingredients:

3-AMINOPROPYLTRIETHOXYSILANE

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|----------|-----------|---|---------|
| 213-048-4 | 919-30-2 | - | Acute Tox. 4: H302; Skin Corr. 1B: H314 | 50-70% |

3-(TRIMETHOXYSILYL)PROPYLAMINE

| | | | | |
|-----------|------------|---|---------------------------------------|--------|
| 237-511-5 | 13822-56-5 | - | Skin Irrit. 2: H315; Eye Dam. 1: H318 | 10-30% |
|-----------|------------|---|---------------------------------------|--------|

[cont...]

SAFETY DATA SHEET
NU-GUARD HIGH SOLIDS ACT

Page: 3

DIBUTYLBIS(PENTANE-2,4-DIONATO-O, O')TIN

| | | | | |
|-----------|------------|---|--|-------|
| 245-152-0 | 22673-19-4 | - | Skin Corr. 1C: H314; Eye Dam. 1: H318; Skin Sens. 1: H317; Muta. 2: H341; STOT SE 1: H370; STOT RE 1: H372; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 | 1-10% |
|-----------|------------|---|--|-------|

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.

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

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

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 symptoms.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

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. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

[cont...]

SAFETY DATA SHEET

NU-GUARD HIGH SOLIDS ACT

Page: 4

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

7.1. Precautions for safe handling

Handling requirements: Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

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.

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: No data available.

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: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

[cont...]

SAFETY DATA SHEET
NU-GUARD HIGH SOLIDS ACT

Page: 5

9.1. Information on basic physical and chemical properties

State: Liquid
Odour: Amine-like
Solubility in water: Insoluble
Boiling point/range°C: 38
Flash point°C: 56

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

Hazardous ingredients:

3-AMINOPROPYLTRIETHOXSILANE

| | | | | |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 4 | gm/kg |
| ORL | RAT | LD50 | 1780 | mg/kg |

Relevant hazards for product:

| | | |
|--------|-------|-------|
| Hazard | Route | Basis |
|--------|-------|-------|

[cont...]

SAFETY DATA SHEET
NU-GUARD HIGH SOLIDS ACT

Page: 6

| | | |
|--------------------------------|-----|-----------------------|
| Acute toxicity (ac. tox. 4) | ING | Hazardous: calculated |
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |
| Respiratory/skin sensitisation | DRM | Hazardous: calculated |
| Germ cell mutagenicity | -- | Hazardous: calculated |
| STOT-single exposure | - | Hazardous: calculated |
| STOT-repeated exposure | - | Hazardous: calculated |

Symptoms / routes of exposure

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 symptoms.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

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.

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

Section 14: Transport information

[cont...]

SAFETY DATA SHEET
NU-GUARD HIGH SOLIDS ACT

Page: 7

14.1. UN number

UN number: UN3470

14.2. UN proper shipping name

Shipping name: PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE

14.3. Transport hazard class(es)

Transport class: 8 (3)

14.4. Packing group

Packing group: II

14.5. Environmental hazards