

**SAFETY DATA SHEET****Novus**

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name** Novus**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Rust-preventing primer. Specialist Coating**1.3. Details of the supplier of the safety data sheet****Supplier** Aztec Chemicals  
Unit 16, University Way  
Orion Park  
Crewe  
Cheshire  
CW1 6NG  
+ 44 (0) 1270 655500 (T)  
+ 44 (0) 1270 655501 (F)  
info@aztecchemicals.com**1.4. Emergency telephone number****Emergency telephone** +44 (0)7831 300868**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification****Physical hazards** Not Classified**Health hazards** Not Classified**Environmental hazards** Not Classified**2.2. Label elements****Hazard statements** NC Not Classified**Precautionary statements** P102 Keep out of reach of children.  
P501 Dispose of contents/container in accordance with local regulations.  
P103 Read label before use.**Supplemental label information** EUH210 Safety data sheet available on request.**2.3. Other hazards****SECTION 3: Composition/information on ingredients****3.2. Mixtures**

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<b>2-BUTOXYETHANOL</b>		<b>1-5%</b>
CAS number: 111-76-2	EC number: 203-905-0	REACH registration number: 01-2119475108-36
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn;R20/21/22 Xi;R36/38	
Acute Tox. 4 - H312		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
<b>Ingestion</b>	Do not induce vomiting. Give a few small glasses of water or milk to drink. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

<b>Inhalation</b>	This is unlikely to occur but symptoms similar to those of ingestion may develop.
<b>Ingestion</b>	There may be irritation of the throat.
<b>Skin contact</b>	There may be mild irritation at the site of contact.
<b>Eye contact</b>	Irritation and redness, followed by blurred vision.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Carbon dioxide (CO <sub>2</sub> ). Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use water spray to cool containers.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.
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#### 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Use air-supplied respirator, gloves and protective goggles. Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Avoid contact with skin and eyes.
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### SECTION 6: Accidental release measures

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

**Personal precautions**            Wear protective clothing as described in Section 8 of this safety data sheet. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions**    Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. To prevent release, place container with damaged side up.

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

**Methods for cleaning up**        Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water.

### 6.4. Reference to other sections

**Reference to other sections**    For personal protection, see Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions**                Read and follow manufacturer's recommendations. Avoid inhalation of vapours. Do not use in confined spaces without adequate ventilation and/or respirator.

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

**Storage precautions**            Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific end use(s)**                The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 123 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 50 ppm(Sk)

#### **2-BUTOXYETHANOL**

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WEL = Workplace Exposure Limit

**Ingredient comments**            WEL = Workplace Exposure Limits

### 8.2. Exposure controls

**Appropriate engineering controls**    Provide adequate ventilation.

**Personal protection**                When using do not smoke

**Eye/face protection**                Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

**Hand protection**                    Use protective gloves.

**Other skin and body protection**        Provide eyewash station. Wear apron or protective clothing in case of contact.

**Hygiene measures**                    Wash hands at the end of each work shift and before eating, smoking and using the toilet.

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**Respiratory protection**      Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Off-white.
<b>Odour</b>	Characteristic.
<b>pH</b>	pH (concentrated solution): <2.5
<b>Melting point</b>	0°C
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Negligible.
<b>Relative density</b>	1.23 @ 20°C
<b>Solubility(ies)</b>	Miscible with water.
<b>Viscosity</b>	Viscous
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

**Other information**      Not available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity**      Stable at normal ambient temperatures and when used as recommended.

#### 10.2. Chemical stability

**Stability**      Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions**      Under normal conditions of storage and use, no hazardous reactions will occur. Decomposition may occur on exposure to conditions or materials listed below.

#### 10.4. Conditions to avoid

**Conditions to avoid**      Avoid heat. Avoid freezing.

#### 10.5. Incompatible materials

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

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products**      Oxides of carbon.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects**      Not available.

#### Acute toxicity - oral

**ATE oral (mg/kg)**      20,833.33333333

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### Acute toxicity - dermal

**ATE dermal (mg/kg)** 45,833.33333333

<b>Inhalation</b>	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.
<b>Ingestion</b>	May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.
<b>Skin contact</b>	Slightly irritating.
<b>Eye contact</b>	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.
<b>Acute and chronic health hazards</b>	Because of the product's quantity and composition, the health hazard is regarded as low.
<b>Route of entry</b>	Skin and/or eye contact
<b>Target organs</b>	Eyes Skin

### **SECTION 12: Ecological Information**

**Ecotoxicity** No data on possible environmental effects have been found.

#### 12.1. Toxicity

**Toxicity** Not applicable.

#### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

#### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** Negligible ecotoxicity.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**General information** Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Waste code number : 08 02 99

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### **SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

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### 14.1. UN number

Not applicable.

UN No. (IMDG)

UN No. (ICAO)

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

ADR/RID class

ADR/RID subsidiary risk

ADR/RID label

IMDG class

IMDG subsidiary risk

ICAO class/division

ICAO subsidiary risk

Transport labels

### 14.4. Packing group

Not applicable.

ADR/RID packing group

IMDG packing group

ICAO packing group

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

EmS

Emergency Action Code

Hazard Identification Number  
(ADR/RID)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## SECTION 15: Regulatory information

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

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<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
<b>EU legislation</b>	Commission Regulation (EU) No 453/2010 of 20 May 2010.
<b>Guidance</b>	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision date</b>	23/06/2015
<b>Revision</b>	2
<b>SDS number</b>	10502
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	NC Not classified. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R36/38 Irritating to eyes and skin.
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin. H312 Harmful in contact with skin. H315 Causes skin irritation. H315 Causes skin irritation. H319 Causes serious eye irritation. H319 Causes serious eye irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.