



**SAFETY DATA SHEET**  
**VANDALENE (ALL COLOURS)**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name VANDALENE (ALL COLOURS)  
Product No. 200/C264/ ALL COLOURS

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

Identified uses As an anti-climb paint

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

Supplier COO-VAR  
Lockwood Street  
Hull  
HU2 0HN  
+44 (0) 1482 328053(T)  
+44 (0) 1482 219266(F)  
info@coo-var.co.uk  
Contact Person Technical Department - 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri as above

**1.4. Emergency telephone number**

+44 (0) 1482 328053

**SECTION 2: HAZARDS IDENTIFICATION**

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

Classification (EC 1272/2008)  
Physical and Chemical Hazards Flam. Liq. 3 - H226  
Human health Not classified.  
Environment Aquatic Chronic 3 - H412  
Classification (1999/45/EEC)  
R10, R52/53.

**2.2. Label elements**

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning  
Hazard Statements  
H226 Flammable liquid and vapour.  
H412 Harmful to aquatic life with long lasting effects.  
Precautionary Statements  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P501 Dispose of contents/container to ...

**2.3. Other hazards**

## VANDALENE (ALL COLOURS)

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 3.2. Mixtures

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.		1-5%
CAS-No.: 64742-88-7		EC No.: 265-191-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R10,R66.	
XYLENE		<1%
CAS-No.: 1330-20-7		EC No.: 215-535-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548/EEC) R10 Xn;R20/21 Xi;R38	
ETHYLBENZENE		<0.1%
CAS-No.: 100-41-4		EC No.: 202-849-4
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 4 - H332	Classification (67/548/EEC) F;R11 Xn;R20	
CUMENE		<0.1%
CAS-No.: 98-82-8		EC No.: 202-704-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT Single 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xn;R65 Xi;R37 N;R51/53	
MESITYLENE		<1%
CAS-No.: 108-67-8		EC No.: 203-604-4
Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT Single 3 - H335 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xi;R37 N;R51/53	
METHANOL		<0.1%
CAS-No.: 67-56-1		EC No.: 200-659-6

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Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT Single 1 - H370	Classification (67/548/EEC) F;R11 T;R23/24/25,R39/23/24/25
ETHANOL	<1%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11
1,2,4-TRIMETHYLBENZENE	<1%
CAS-No.: 95-63-6	EC No.: 202-436-9
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT Single 3 - H335 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xn;R20 Xi;R36/37/38 N;R51/53

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**

## General information

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious.

## Inhalation

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues. Place unconscious person on the side in the recovery position and ensure breathing can take place.

## Ingestion

DO NOT induce vomiting. Get medical attention immediately. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

## Skin contact

Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.

## Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes and get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed****4.3. Indication of any immediate medical attention and special treatment needed****SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

## Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

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

## Unusual Fire &amp; Explosion Hazards

FLAMMABLE. Solvent vapours may form explosive mixtures with air.

## Specific hazards

When heated and in case of fire, harmful vapours/gases may be formed.

**5.3. Advice for firefighters**

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### Special Fire Fighting Procedures

Be aware of danger for fire to re-start. Cool containers exposed to flames with water until well after the fire is out. Do not allow runoff to sewer, waterway or ground.

Protective equipment for fire-fighters

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Do not smoke, use open fire or other sources of ignition. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

### 6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Do not eat, drink or smoke when using the product. The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.

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

Store in closed original container at temperatures between 5°C and 25°C. Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep upright. Store separated from: Oxidising material. Alkalis. Acids.

Storage Class

Flammable liquid storage. The storage and use of this product is subject to the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR. Up to 250 litres of liquids with a flashpoint above 32C but below 55C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate, marked storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers.

### 7.3. Specific end use(s)

Usage Description

Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

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Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1,2,4-TRIMETHYLBENZENE	WEL	25 ppm	125 mg/m3			
CUMENE	WEL	25 ppm(Sk)	125 mg/m3(Sk)	50 ppm(Sk)	250 mg/m3(Sk)	
ETHANOL	WEL	1000 ppm	1920 mg/m3			
ETHYLBENZENE	WEL	100 ppm(Sk)	441 mg/m3(Sk)	125 ppm(Sk)	552 mg/m3(Sk)	
MESITYLENE	WEL	25 ppm	125 mg/m3			
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)	
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

#### Ingredient Comments

WEL = Workplace Exposure Limits

### **8.2. Exposure controls**

#### Protective equipment



#### Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

#### Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

#### Hand protection

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

#### Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

#### Other Protection

Wear appropriate clothing to prevent reasonably probable skin contact.

#### Hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Coloured gel. Grease
Colour	Black. Grey. Green. Red.
Odour	of solvents
Solubility	Insoluble in water
Relative density	@ 25 0.9 - 1.0 approx.
Vapour density (air=1)	heavier than air
Viscosity	N/A
Flash point (°C)	47 approx. CC (Closed cup).
Flammability Limit - Lower(%)	0.8

### **9.2. Other information**

Volatile Organic Compound (VOC) <65 g/litre

## SECTION 10: STABILITY AND REACTIVITY

## VANDALENE (ALL COLOURS)

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

### 10.5. Incompatible materials

Materials To Avoid

Strong alkalis. Strong acids. Strong oxidising substances.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Inhalation

Vapour from this chemical can be hazardous when inhaled. Vapour may irritate respiratory system or lungs.

Ingestion

Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

Skin contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

Eye contact

May cause temporary eye irritation.

Health Warnings

This product has low toxicity. Only large volumes may have adverse impact on human health.

Medical Considerations

Skin disorders and allergies. Avoid vomiting and normal rinse of stomach because of risk of aspiration.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

### 12.1. Toxicity

### 12.2. Persistence and degradability

Degradability

The product is not expected to be biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential

The product contains potentially bioaccumulating substances.

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not allow to enter drains, sewers or watercourses.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

**VANDALENE (ALL COLOURS)****Waste Class**

When this coating, in its liquid state, as supplied, becomes a waste, it is categorised as hazardous waste, with code 08 01 11\* (SOLVENT BASED LIQUID WASTE). Part-used containers, not drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as hazardous waste, with code 08 01 11\* (SOLVENT BASED LIQUID WASTE). If mixed with other wastes, the above waste code may not be applicable. Used containers, drained and/or rigorously scraped out and containing dry residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 02 (plastic packaging) or 15 01 04 (metal packaging).

**SECTION 14: TRANSPORT INFORMATION**

General This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG.

**14.1. UN number**

UN No. (ADR/RID/ADN) 1263  
 UN No. (IMDG) 1263  
 UN No. (ICAO) 1263

**14.2. UN proper shipping name**

Proper Shipping Name PAINT

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

ADR/RID/ADN Class Class 3: Flammable liquids.  
 IMDG Class 3  
 ICAO Class/Division 3  
 Transport Labels

**14.4. Packing group**

IMDG Packing group III  
 ICAO Packing group III

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
 No.

**14.6. Special precautions for user**

EMS F-E, S-E  
 Tunnel Restriction Code (D/E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

**Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

**Approved Code Of Practice**

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

**Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

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## EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

## National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

## Revision Comments

Changes to composition information. Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 453/2010

Issued By	Technical Dept. (P.E.)
Revision Date	22/02/2012
Revision	7
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SDS No.	10429
Safety Data Sheet Status	Approved.
Date	Date printed _____
Signature	Initials _____

## Risk Phrases In Full

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

## Hazard Statements In Full

H370	Causes damage to organs <<Organs>>.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H411	Toxic to aquatic life with long lasting effects.

## Disclaimer

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.