



## SAFETY DATA SHEET

### Sadolin PV67 Varnish

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

##### 1.1. Product identifier

Product name Sadolin PV67 Varnish  
Product No. 5028738 - CLP

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

Identified uses Heavy duty varnish for the protection and decoration of interior surfaces. Must be mixed with appropriate activator as part of a 2 pack system. Applied by brush and roller.  
Uses advised against Any other than described above.

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

Supplier Sadolin Woodcare  
Crown Paints  
Crown House  
Hollins Rd  
Darwen  
Lancs, BB3 0BG  
Tel: 01254 704951  
Fax: 01254 702678  
sadolin.co.uk  
Contact Person Product SHE Information Manager

##### 1.4. Emergency telephone number

Tel: 01254 704951 (24hrs)

#### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (1999/45/EEC) Xn;R20/21. Xi;R38, R41. R43. F;R11.

Human health

Risk of serious damage to eyes. Irritating to skin. Harmful by inhalation and in contact with skin. May cause sensitisation by skin contact.

Physical and Chemical Hazards

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

##### 2.2. Label elements

Contains FORMALDEHYDE 0.2866%  
XYLENE

Labelling



Harmful



Highly flammable

Risk Phrases

R11	Highly flammable
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.

Safety Phrases

S2	Keep out of the reach of children.
S9	Keep container in a well-ventilated place.
S13	Keep away from food, drink and animal feeding stuffs.
S16	Keep away from sources of ignition - No smoking.
S25	Avoid contact with eyes.

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S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S56	Dispose of this material and its container to hazardous or special waste collection point.
S64	If swallowed, rinse mouth with water (only if the person is conscious).

### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

2-BUTOXYETHANOL		< 1%
CAS-No.: 111-76-2	EC No.: 203-905-0	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xn;R20/21/22 Xi;R36/38	
BUTANOL-norm		1-5%
CAS-No.: 71-36-3	EC No.: 200-751-6	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT SE 3 - H336	Classification (67/548/EEC) R10 Xn;R22 Xi;R37/38,R41 R67	
BUTYL ACETATE -norm		5-10%
CAS-No.: 123-86-4	EC No.: 204-658-1	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H336	Classification (67/548/EEC) R10 R66 R67	
Butylated urea formaldehyde resin		10-30%
CAS-No.: 68002-19-7	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) R53.	

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ETHYLBENZENE	1-5%
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
FORMALDEHYDE ...%	< 1%
CAS-No.: 50-00-0	EC No.: 200-001-8
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335	Classification (67/548/EEC) Carc. Cat. 3;R40 T;R23/24/25 C;R34 R43
ISO-BUTANOL	5-10%
CAS-No.: 78-83-1	EC No.: 201-148-0
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT SE 3 - H336	Classification (67/548/EEC) R10 Xi;R37/38,R41 R67
Melamine P/W formaldehyde, isobutylated	1-5%
CAS-No.: 68002-21-1	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) R53.
METHOXYPROPYLACETATE	1-5%
CAS-No.:	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R36.
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC, <0.1% BENZENE	1-5%
CAS-No.: 64742-95-6	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R65. Xi;R37. N;R51/53. R66,R67.

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STODDARD SOLVENT; LOW BOILING POINT NAPHTHA <0.1% BENZENE		< 1%
CAS-No.: 8052-41-3	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R65. N;R51/53.	
XYLENE		30-60%
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	

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

## Composition Comments

The product contains organic solvents.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

#### Inhalation

Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in a prone position with head to the side (recovery position) and seek medical advice.

#### Ingestion

If accidentally swallowed obtain immediate medical advice. Show this safety data sheet. Keep at rest. Do not induce vomiting. If conscious give milk or water to drink.

#### Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do not use solvents or thinners.

#### Eye contact

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

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

#### General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

#### Inhalation.

Vapours may cause headache, fatigue, dizziness and nausea.

#### Ingestion

May cause discomfort if swallowed. Nausea, vomiting. Diarrhoea.

#### Skin contact

Prolonged contact may cause redness, irritation and dry skin.

#### Eye contact

Irritation of eyes and mucous membranes.

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

Consult safety data sheet.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

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

Hazardous combustion products

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

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).

## **5.3. Advice for firefighters**

Special Fire Fighting Procedures

Keep up-wind to avoid fumes. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in Section 8 of this safety data sheet. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Take precautionary measures against static discharges. Do not smoke, use open fire or other sources of ignition. Do not breathe vapour. Eye contact MUST be prevented by means of suitable personal protection equipment.

### **6.2. Environmental precautions**

Do not discharge onto the ground or into water courses. Do not allow ANY environmental contamination. 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**

If leakage cannot be stopped, evacuate area. Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal. Flush area with plenty of water.

### **6.4. Reference to other sections**

For personal protection, see section 8. For waste disposal, see section 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Avoid contact with skin and eyes. Static electricity and formation of sparks must be prevented. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices. Do not use in confined spaces without adequate ventilation and/or respirator. Provide good ventilation. Container must be kept tightly closed.

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

Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep away from food, drink and animal feeding stuffs. Flammable/combustible - Keep away from oxidisers, heat and flames. Keep in original container. Store away from: Acids. Alkalis.

Storage Class

The storage of this product is not subject to any statutory requirements.

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

Usage Description

Use product only in accordance with methods listed in section 1.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

## Sadolin PV67 Varnish

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-BUTOXYETHANOL	WEL	25 ppm(Sk)		50 ppm(Sk)		
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m3(Sk)	
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m3	200 ppm	966 mg/m3	
ETHYLBENZENE	WEL	100 ppm(Sk)	441 mg/m3(Sk)	125 ppm(Sk)	552 mg/m3(Sk)	
FORMALDEHYDE ...%	WEL	2 ppm	2.5 mg/m3	2 ppm	2.5 mg/m3	
ISO-BUTANOL	WEL	50 ppm	154 mg/m3	75 ppm	231 mg/m3	
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

### Ingredient Comments

LT = Long term exposure limit. ST = Short term exposure limit. TWA = Time weighted average. Ppm = Parts per million Mgm-3 = Milligrams per cubic metre. Sk = Indicates a risk of absorption through skin.

## 8.2. Exposure controls

### Protective equipment



### Process conditions

Provide eyewash, quick drench.

### Engineering measures

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

### Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Check that mask fits tight and change filter regularly.

### Hand protection

Protective gloves must be used if there is a risk of direct contact or splash. Gloves of nitrile rubber, PVA or Viton are recommended.

### Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

### Other Protection

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

### Hygiene measures

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

### Skin protection

Wear apron or protective clothing in case of splashes.

### Environmental Exposure Controls

See section 12.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Viscous liquid.
Colour	Colourless to pale yellow.
Odour	Hydrocarbon. Ester.
Solubility	Immiscible with water
Initial boiling point and boiling range	110 - 140
Bulk Density	0.98 kg/l
Vapour density (air=1)	Heavier than air
Vapour pressure	0.6 - 1.3 kPa @ 15 °C
Viscosity	50 - 60 s @ 23 °C
Flash point	-21 Sh CC (Setaflash closed cup).
Auto Ignition Temperature (°C)	360

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Flammability Limit - Lower(%) 0.8

Flammability Limit - Upper(%)

Not known.

## **9.2. Other information**

### **SECTION 10: STABILITY AND REACTIVITY**

#### **10.1. Reactivity**

There are no known reactivity hazards associated with this product.

#### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

#### **10.3. Possibility of hazardous reactions**

Not determined.

#### **10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

#### **10.5. Incompatible materials**

Materials To Avoid

Strong oxidising substances. Strong acids. Strong alkalis.

#### **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**

General information

Contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in hazardous vapour concentrations.

Inhalation

When working extensively on big surfaces in small and badly ventilated rooms, vapours may develop in concentrations which may cause malaise such as headache, dizziness and nausea.

Ingestion

Nausea, vomiting. Headache. Diarrhoea.

Skin contact

Irritating to skin. Product has a defatting effect on skin. Prolonged or repeated exposure may cause severe irritation.

Eye contact

Risk of serious damage to eyes.

### **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

There are no data on the ecotoxicity of this product. The product is not expected to be hazardous to the environment. The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### **12.1. Toxicity**

Do not allow to enter drains, sewers or watercourses.

#### **12.2. Persistence and degradability**

The product is not expected to be biodegradable.

#### **12.3. Bioaccumulative potential**

Bioaccumulative potential

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

#### **12.4. Mobility in soil**

# Sadolin PV67 Varnish

Mobility:

Not considered mobile.

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

This product does not contain any PBT or vPvB substances.

## **12.6. Other adverse effects**

Not determined.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

General information

When this product, in its liquid state, as supplied or skinned, becomes a waste, it is categorised as hazardous waste, with code 08 01 11 (list of wastes). Part used containers, not drained and/ or rigorously scraped out and containing dried residues of the supplied product, are categorised as non-hazardous waste, with code 08 01 12 (list of wastes). Used containers, drained and/ or rigorously scraped out and containing dried residues of the supplied product, are categorised as non-hazardous waste, with code 15 01 02 or 15 01 04 (list of wastes). If mixed with other wastes, the above waste code may not be applicable.

### **13.1. Waste treatment methods**

Do not allow runoff to sewer, waterway or ground. Dispose of waste and residues in accordance with local authority requirements.

Waste Class

Waste product 08 01 11 Used packaging containing only dried residues 15 01 02

## **SECTION 14: TRANSPORT INFORMATION**

### **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 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

IMDG Class 3

ICAO Class/Division 3

Transport Labels



### **14.4. Packing group**

ADR/RID/ADN Packing group II

IMDG Packing group II

ICAO Packing group II

### **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

### **14.6. Special precautions for user**



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EMS	F-E, S-E
Emergency Action Code	•3YE
Hazard No. (ADR)	33
Tunnel Restriction Code	(D/E)

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

Not applicable.

## **SECTION 15: REGULATORY INFORMATION**

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

#### Uk Regulatory References

The products are classified and supplied in accordance with the Chemicals (Hazard Information Packaging for supply) regulations (CHIP). The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provision of the Health and Safety at Work Act and the Control of Substances Hazardous to Health regulations apply to the use of this product at work.

Approved Code Of Practice

Approved classification and labelling guide (Sixth edition) The compilation of safety data sheets (Third edition)

Guidance Notes

Workplace Exposure Limits EH40. Storage of Flammable Liquids in Containers, HS(G)51 Storage of Packaged Dangerous Substances, HS(G)71

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. 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. Classification, labelling and packaging of substances and mixtures 1272/2008EC

National Regulations

The Control Of Substances Hazardous to Health regulations (as amended) The Manual Handling Operations regulations (as amended) The Environmental Protection (Duty of Care) regulations (as amended) The Chemicals (Hazard Information and Packaging) for supply regulations (as amended) The Health and Safety at Work act 1974 (as amended)

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

#### General information

The information contained in this safety data sheet is provided in accordance with the requirements of the regulations. The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instruction. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

Revision Comments

This information is provided in a revised format to that previously produced.

Issued By Product SHE Information Manager

Revision Date 19/11/12

SDS No. Revision 5

## Sadolin PV67 Varnish

### Risk Phrases In Full

R34	Causes burns.
R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R53	May cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
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.
R67	Vapours may cause drowsiness and dizziness.

### Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H351	Suspected of causing cancer.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.

### Disclaimer

The information provided in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health and safety and environmental aspects and should not be construed as any guarantee of technical performance or suitability for particular applications.