



**SAFETY DATA SHEET**  
**(SDS) 1907/2006 EC**

Date of release: 28/03/2018

Date of last release: 22/02/2018

**1. IDENTIFICATION OF SUBSTANCE & COMPANY IDENTIFICATION**

Product: 1961 Gap Filler & Sealant White

Use: Solvent and resin-based filler for UPVC, primarily in white although other colours are available.

Company Address: 21-23 Gloster Road  
Martlesham Heath Industrial Estate  
Ipswich, Suffolk  
England, IP5 3<sup>RD</sup>  
Tel: +44 (0) 1473 622265 or 626651  
Fax: +44 (0) 1473 610651  
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Emergency Information: Tel: +44 (0) 1473 622265

**2. HAZARD IDENTIFICATION**

**Classification of the substance or mixture**  
**Classifications (REGULATION (EC) NO. 1272/2008)**

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour
Eye irritation, Category 2	H319: Causes serious eye irritation
Specific target organ toxicity – single Exposure, Category 3	H336: May cause drowsiness or dizziness

**Classification (67/548/EEC, 1999/45/EC)**  
Highly flammable  
Irritant

**Label Elements**  
**Labelling (REGULATION (EC) NO. 1272/2008)**



Hazard pictograms

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Hazard statements	H225: Highly flammable liquid and vapour H319: Causes serious eye irritation H336: May cause drowsiness or dizziness
Supplemental hazard statements	EUH066: repeated exposure may cause skin dryness or cracking
Precautionary statements	<b>PREVENTION</b> P201: Obtain special instructions before use P210: Keep away from heat/sparks/open flames/hot surfaces – no smoking P233: Keep container tightly closed P261: Avoid breathing mist or vapours P280: Wear protective gloves/protective clothing/eye protection/face protection <b>RESPONSE</b> P370 & P378: In case of fire - use water spray, alcohol-resistance foam, dry chemical or carbon dioxide to extinguish.

### EMERGENCY OVERVIEW

Clear/coloured liquid. Highly flammable which may form explosive peroxides.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Constituents: A blend of resins, solvents, silica & UV stabiliser

Hazardous Ingredient	CAS no.	EINECS no.	% w/w (range)	Classification (EC 1272/2008)	Classification (67/548/EEC)
M.E.K	78-93-3	201-159-0	46%	Flam, liq. 2 – H225 Eye irrit. 2 – H319 STOT SE 3 – H336	F R11 Xi R36
Toluene	108-88-3	203-625-9	9.9%	Flam liq. 2 – H225 Skin irrit. 2 – H315 STOT SE 3 – H336	F R11 Xn; R48/20
Silica Dioxide	7631-86-9	231-545-4	9%	STOT RE 2 – H373	Xn; R48/20
Resin	9003-22-9		34%	Skin Irrit. 2 – H315	Xn; R48/20
UV Stabiliser	1843-05-6	217-421-2	<1%	Skin Irrit. 2 – H315 STOT RE 1 – H373	Xn; R48/20
Total VOC content	<38%ww				

### 4. FIRST AID

**GENERAL ADVICE:** In case of accident or if you feel unwell seek medical advice immediately. First aider needs to protect themselves. Move out of dangerous area. Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.

**SKIN CONTACT:** in case of skin contact flush skin immediately with soap and plenty of water. Do NOT use solvents or thinners. If the skin irritation persists seek medical attention.

**INHALATION:** If breathed in move person to fresh air. If symptoms persist seek medical attention. Keep patient warm and calm. If not breathing give artificial respiration. If breathing is difficult give oxygen.

**INGESTION:** if swallowed, seek medical attention immediately and if possible, show container or label. DO NOT induce vomiting.

**EYE CONTACT:** Protect unharmed eye. Remove contact lens if worn. If in contact with eyes rinse immediately with plenty of water and seek medical advice.

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## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam, water mist, earth or sand.

**UNSUITABLE EXTINGUISHING MEDIA:** High volume water jet

**FIRE AND EXPLOSION HAZARDS / HARMFUL COMBUSTION PRODS.** Vapour/air may be explosive. Combustion may result in toxic acidic fumes and carbon monoxide. May form organic peroxides. Vapour heavier than air – ignition may occur at a distance.

**SPECIAL FIRE FIGHTING PROCEDURES:** In the event of a fire wear self-contained breathing apparatus. Use personal protective equipment. Use water spray to cool unopened containers.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES:** Use personal protective equipment. Remove all sources of ignition. Avoid contact with skin and eyes. Ensure adequate ventilation especially in confined areas. Immediately evacuate persons to safe area. Avoid inhalation of vapour or mist. Also beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**ENVIRONMENTAL PRECAUTIONS:** Do not flush into surface water or sewer system. Prevent further leakage of spills if safe to do so. If the product should leak into rivers, lakes or drains inform the authorities.

**SPILLAGE, LEAK AND CLEANING PROCEDURES:** Contain and collect spillage with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Clean contaminated surfaces thoroughly.

## 7. HANDLING AND STORAGE

**HANDLING:** Wear appropriate clothing (see exposure controls). Avoid all sources of ignition, sparks, flames, electrical equipment, arc lights, static discharges etc. no smoking. Handle with care.

**PROTECTION AGAINST FIRE AND EXPLOSION:** Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures in the air. Keep away from heat and sources of ignition. Do not smoke. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard.

**STORAGE:** Store in cool, dry, well ventilated area. Avoid all sources of ignition, sparks, flames, electrical equipment, arc lights, static discharges etc. away from incompatible chemicals (avoid contact with oxidising agents (peroxides, nitrates etc.)

## 8. PERSONAL PROTECTION

Avoid inhaling vapour. Avoid contact with skin and eyes. Eye baths should be provided in places where exposure may be possible. Wear chemical resistant goggles, solvent resistant gloves (neoprene or nitrile rubber). Impervious boots and polycotton overalls. If high vapour concentrations are present, self-contained breathing apparatus, or full-face respirator with organic cartridge NPF20. Ensure good ventilation. Exposure may be possible.

Engineering controls: Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA – FINAL PELs
Methyl ethyl ketone	200ppm TWA 300ppm STEL	200ppm TWA; 590 mg/m <sup>3</sup> TWA 3000 IDLH	200ppm TWA; 590 mg/m <sup>3</sup> TWA

**OSHA Vacated PELs:** Methyl ethyl ketone: 200ppmTWA; 590 mg/m<sup>3</sup> TWA; 300ppm STEL; 885 mg/m<sup>3</sup> STEL

### Personal Protective Equipment

**Eyes:** Wear chemical goggles

**Skin:** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standards EN 149. Always use a NIOSH or European Standard EN149 approved respirator when necessary.

### 8.2. Exposure controls cont.

Provide adequate ventilation

Execute works under fume hood.

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## Personal protection equipment

Occupational exposure controls

### Respiratory protection:

Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A (=against vapours of organic substances) according to EN 14387. Hand protection: protective gloves according to EN 374. Glove material: Butyl caoutchouc (butyl rubber) layer thickness: 0/7mm. Breakthrough time: >240mins. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White paste
State of Matter	Liquid
Odour	High Odour
pH	n/a
Density	1,210
Solubility in Water	Solvent is miscible
Flash Point	(closed cup) – 23°C
Auto Ignition Temperature	515°C
Flammability Limits	LEL 1.25% (v/v) UEL 11.5% (v/v)
Thermal Decomposition Temperature	Not established
Boiling Point	81-111°C
Melting Point	-86 °C
Kinematic Viscosity	20.5mm <sup>2</sup> /s
Oxidising Properties	n/a
Vapour Pressure	n/a
Volatile Content by Weight	<38% ww

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No data available

**CHEMICAL STABILITY:** The product is chemically stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Stability: no decomposition if stored and applied as directed. Vapours may form explosive mixture with air.

**CONDITIONS TO AVOID:** Heat, flames and sparks.

**INCOMPATIBLE MATERIALS:** Oxidizing agents, peroxides.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

Irritating to eyes and respiratory tract, may cause systemic effects; narcosis, nausea and headaches. Skin: can be absorbed through the skin, chronic exposure may cause dermatitis. Ingestion: harmful, nausea, dizziness. Repeated exposure to high concentrations, damaging to liver and nervous system.

RTECS#: CAS# 78-93-3: EL6475000 LD50/LC50: CAS# 78-93-3: Draize test, rabbit, skin: 500 mg/24H Moderate; Draize test, rabbit, skin: 402 mg/24H Mild: Inhalation, mouse: LC50 = 32 gm/m<sup>3</sup>/4H; Inhalation, rat: LC50 = 23500 mg/m<sup>3</sup>/8H; oral, mouse: LD50 = 4050 mg/kg; Oral, rat: LD50 = 2737 mg/kg; skin, rabbit: LD50 = 6480 mg/kg.

Carcinogenicity: CAS# 78-93-3: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

Epidemiology: No information available.

Teratogenicity: Embryo or Foetus: fetotoxicity, ihl-rat TCLo=1000ppm.

Specific Developmental Abnormalities: craniofacial and urogenital, ihl-rat TCLo=3000 ppm/7H; musculoskeletal, ihl-rat TCLo=1000ppm.

Reproductive effects: No information available

Neurotoxicity: No information available

Mutagenicity: Sex chromosome loss/non-disjunction: S. cerevisiae 33800ppm.

Other studies: see actual entry in RTECS for complete information.

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## **12. ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

Acute aquatic, fish Value: > 100mg/l Method of testing: LL/EL/IL50

Acute aquatic, algae Value: > 100mg/l Method of testing: LL/EL/IL50

Acute aquatic, daphnia Value: > 100mg/l Method of testing: LL/EL/IL50

### **12.2 Persistence and degradability**

Degradation half life Lättnedbrytbar. 100% bryts ned pa 28 dygn OECD 301D.

Comments, BOD BOD5/COD: 0,66-0,87

Persistence and degradability Log Pow; 0,61

### **12.3 Bioaccumulative potential**

Bioaccumulative potential will not bio-accumulate.

### **12.4 Mobility in soil mobility**

The product is not water soluble

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

PBT assessment results this substance in not classified as PBT or vPvB.

### **12.6 Other adverse effects**

Other adverse effects/remarks none known.

## **13. DISPOSAL CONSIDERATIONS**

**DISPOSAL:** In accordance with local and national regulations. Do not dispose of waste into sewer. This material and its container must be disposed of as hazardous waste. Do not dispose with household waste. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## **14. TRANSPORT INFORMATION**

**CARRIAGE CLASSIFICATION:** Flammable liquid

**PACKING GROUP:** II

**ADR/RID:** 3

**U.N NO.:** 1133

**IMO CLASS:** 3.1.

**HAZCHEM CODE:** 3(Y)E

## **15. REGULATORY INFORMATION**

This safety data sheet is provided in compliance with the European REACH Directive (1097/2006/LC) and is in agreement with the GHS (Global Harmonised System) for the classification and labelling of Dangerous Chemicals.

*This safety data sheet is distributed solely for the purpose of the Health and Safety at Work Act 1974.* Included under this heading is article 10 of directive 88/379/FFC.

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## **16. OTHER INFORMATION**

### **Risks**

**Full text of H statements referred to in section 2&3**

**H225:** Highly flammable liquid and vapour

**H304:** May be fatal if swallowed and enters airways

**H315:** Causes skin irritation

**H319:** Causes serious eye irritation

**H336:** may cause drowsiness or dizziness

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

UK REGULATIONS considered in the development of this data sheet were;

Chemical (Hazard Information and Packaging) Regulations (CHIP3)

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations aligned with ADR.

Work Place Exposure Limits, Guidance Note EH40.

<b>Components</b>	<b>LTEL ppm/mg/m<sup>3</sup></b>	<b>STEL ppm/mg.m<sup>3</sup></b>
Methyl ethyl ketone Sk	200/600	300/899
Toluene SK	50/191	150/384

Sk = can be absorbed through the skin.

This information only concerns the above-mentioned product as supplied and may not be valid if used with other product(s) or in any process. It remains the user's own responsibility to make sure the information is appropriate and complete for his/her special use of this product.

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