



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 Toffee brown
Use: Solvent and resin based gap filler for UPVC primarily in white although; other colours are available

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2

H225: Highly Flammable liquid & vapour

Eye irritation, Category 2

H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness

Specific target organ toxicity – single exposure, Category 3

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: H319: H336:	Highly Flammable liquid & vapour Causes serious eye irritation May cause drowsiness or dizziness
Supplemental Hazard statements	EUH066	Repeated exposure may cause skin dryness or cracking
Precautionary statements	PREVENTION	
	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
	RESPONSE	
	P370 + P378	In case of fire: Use water spray, alcohol-resistant 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 and UV stabiliser.

Hazardous ingredients:	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 Skin Irrit. 2 - H315	Xn; 48/20 Xn;R48/20
Resin	9003-22-9		34%		
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				

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4. FIRST AID

GENERAL ADVICE: In case of accident or if you feel unwell, seek medical advice immediately. First aider need 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 into fresh air. If symptoms persists, seek medical attention. Keep person warm and calm. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

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

EYE CONTACT: Protect unharmed eyes. Remove contact lens if worn. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide (CO₂), alcohol resistant foam, dry powder or water mist, earth or sand.

UNSUITABLE EXTINGUISHING MEDIA: High volume water jet.

FIRE & 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 & eyes. Ensure adequate ventilation., especially in confined areas. Immediately evacuate person to safe area. Avoid inhalation of vapour or mist. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

ENVIRONMENTAL PRECAUTIONS: Do not flush into surface water or sanitary sewer systems. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform relevant authorities.

SPILLAGE OR LEAK 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 surface 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.

PROTECTION AGAINST FIRE & EXPLOSION: Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with 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 a 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 eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

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Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Methyl ethyl ketone	200 ppm TWA 300 ppm STEL	200 ppm TWA; 590 mg/m ³ TWA 3000 IDLH	200 ppm TWA; 590 mg/m ³ TWA

OSHA Vacated PELs: Methyl ethyl ketone: 200 ppm TWA; 590 mg/m³ TWA; 300 ppm STEL; 885 mg/m³ STEL

Personal Protective Equipment

Eyes: Wear chemical goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

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

Section

8.2 EXPOSURE CONTROLS cont

Provide adequate ventilation.

Execute works under fume hood.

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: 0.7 mm. Breakthrough time: >240 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Toffee brown 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 degrees C

AUTO IGNITION TEMPERATURE: 515 degrees C

FLAMMABILITY LIMITS: LEL 1.25% (v/v) UEL 11.5% (v/v)

THERMAL DECOMPOSITION TEMPERATURE: Not established

BOILING POINT: 81 - 111 degrees C

MELTING POINT: - 86°C

KINEMATIC VISCOSITY: 20.5mm²/s

OXIDISING PROPERTIES: N/A

VAPOUR PRESSURE: N/A

VOLATILE CONTENT BY WEIGHT : <38% ww

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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 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/m³/4H; Inhalation, rat: LC50 = 23500 mg/m³/8H; 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 Fetus: fetotoxicity, ihl-rat TCLo=1000 ppm.

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

Reproductive Effects: No information available.

Neurotoxicity: No information available.

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

Other Studies: See actual entry in RTECS for complete information.

Section

12. ECOLOGICAL INFORMATION

12.1 Toxicity

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

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

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

12.2. Persistence and degradability

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

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

Persistence and degradability Log Pow: 0,61

2.3 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 is 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

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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 Chemical. 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

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

Components	LTEL ppm/mg.m3	STEL ppm/mg.m3
Methyl Ethyl Ketone Sk	200/600	300/899
Toluene Sk	50/191	150/384

Sk = Can be absorbed through 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 users own responsibility to make sure that the information is appropriate and complete for his special use of this product.

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