





Material Safety Data Sheet

CORE SH27 Pipe adhesive

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Trade Name:	CORE SH27
Product Type:	Pipe thread – Sealing Adhesive
Supplier of Products:	Smith Brothers Stores Ltd
Registered Office:	Unit V2, Winchester Avenue Leicester, Blaby LE8 4GZ
E-mail Address:	coresupport@sbs.co.uk

SECTION 2: Hazard's identification

Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008		
		
GHS07		
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335	May cause respiratory irritation
Label elements		
Labelling according to Regulation (EC) No 1272/2008:	The product is classified and labelled according to the CLP regulation.	
Hazard pictograms:		
		
GHS07		
Signal word:	Warning	
Hazard-determining components of labelling:	2-hydroxyethyl methacrylate tetramethylene dimethacrylate methacrylic acid, monoester with propane-1,2-diol bisphenol A epoxy diacrylate maleic acid mono-2-(Methacryloyloxy)ethyl succinate	
Hazard statements:	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.	
Precautionary statements:	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves / eye protection / face protection. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	



Other hazards	
Results of PBT and vPvB assessment	PBT: Not applicable. vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

Chemical characterisation:	Mixtures	
Description:	Mixture of substances listed below with non-hazardous additions.	
Dangerous components		
CAS: 2082-81-7 EINECS: 218-218-1	Tetramethylene dimethacrylate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	25-50%
CAS: 868-77-9 EINECS: 212-782-2	2-hydroxyethyl methacrylate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-25%
CAS: 9004-96-0	Polyethylene Glycol 200 Monooleate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-25%
CAS: 27813-02-1 EINECS: 248-666-3	Methacrylic acid, monoester with propane-1,2-diol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥2.5-<10%
CAS: 55818-57-0 NLP: 500-130-2	Bisphenol A epoxy diacrylate ⚠ Skin Sens. 1, H317; Aquatic Chronic 3, H412	≥2.5-<10%
CAS: 80-15-9 EINECS: 201-254-7	α,α -dimethylbenzyl hydroperoxide ⚠ Org. Perox. E, H242; ⚠ Acute Tox. 3, H331; ⚠ STOT RE 2, H373; ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312	≥0.25-≤0.9%
CAS: 110-16-7 EINECS: 203-742-5	Maleic acid ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	≥0.1-≤0.5%
CAS: 20882-04-6 EINECS: 244-096-4	Mono-2-(Methacryloyloxy)ethyl succinate ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1-≤0.5%

❖ **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

Description of first aid measures	
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Immediately wash with water and soap and rinse thoroughly.
After eye contact:	Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:	Call a doctor immediately. Do not induce vomiting; call for medical help immediately.
Most important symptoms and effects, both acute and delayed:	Breathing difficulty
Indication of any immediate medical attention and special treatment needed:	No further relevant information available.

SECTION 5: Firefighting measures

Extinguishing media	
Suitable extinguishing agents:	CO ₂ , powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.



For safety reasons unsuitable extinguishing agents:	Water with full jet.
Special hazards arising from the substance or mixture:	No further relevant information available.
Advice for firefighters	
Protective equipment:	Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures:	Ensure adequate ventilation. Wear protective clothing.
Environmental precautions:	Do not allow product to reach sewage system or any water course.
Methods and material for containment and cleaning up:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Pick up mechanically. Ensure adequate ventilation. Dispose of the material collected according to regulations.
Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

Precautions for safe handling:	Store in cool, dry place in tightly closed receptacles. Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace.
Information about fire - and explosion protection:	No special measures required.
Conditions for safe storage, including any incompatibilities	
Storage:	
Requirements to be met by storerooms and receptacles:	Store in a cool location. Store only in the original receptacle.
Information about storage in one common storage facility:	Store away from oxidising agents.
Further information about storage conditions:	Keep container tightly sealed.
Storage class:	10.
Specific end use(s):	No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities:	No further data; see item 7.
Control parameters	
Ingredients with limit values that require monitoring at the workplace:	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information:	The lists valid during the making were used as basis.
Exposure controls Personal protective equipment:	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.



General protective and hygienic measures	
Respiratory protection:	Not necessary if room is well-ventilated.
Protection of hands:	Protective gloves. Impervious gloves. The glove material must be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves:	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Butyl rubber, BR. Neoprene gloves.
Penetration time of glove material:	The exact break through time must be found out by the manufacturer of the protective gloves and must be observed.
Not suitable are gloves made of the following materials:	PVC gloves.
Eye protection:	Safety glasses. Tightly sealed goggles.
Body protection:	Protective work clothing.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties	
Appearance	
Form:	Liquid.
Colour:	Yellow.
Odour:	Characteristic.
Odour threshold:	Not determined.
PH-value:	Not determined.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
Flash point:	97 °C.
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined.
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content	
Organic solvents:	0.4 %.
Water:	0.4 %.
Solid's content:	30.0 %.



SECTION 10: Stability and reactivity

Reactivity:	No further relevant information available.
Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Possibility of hazardous reactions:	Danger of polymerisation.
Conditions to avoid:	No further relevant information available.
Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	Nitrogen oxides. Sulphur oxides (SOx).

SECTION 11: Toxicological information

Information on toxicological effects	
Acute toxicity:	Based on available data; the classification criteria are not met.
Primary irritant effect	
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
CMR effects (carcinogenicity, mutagenicity, and toxicity for reproduction)	
Germ cell mutagenicity:	Based on available data; the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	May cause respiratory irritation.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

Toxicity	
Aquatic toxicity:	No further relevant information available.
Persistence and degradability:	No further relevant information available.
Bio accumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.
Additional ecological information	
General notes:	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	
PBT:	Not applicable.
vPvB:	Not applicable.
Other adverse effects	No further relevant information available.

SECTION 13: Disposal considerations

Waste treatment methods	
Recommendation:	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned packaging	
Recommendation:	Disposal must be made according to official regulations.



SECTION 14: Transport information

UN-Number	
ADR, ADN, IMDG, IATA:	Void.
UN proper shipping name	
ADR, ADN, IMDG, IATA:	Void.
Transport hazard class(es)	
ADR, ADN, IMDG, IATA Class:	Void.
Packing group	
ADR, IMDG, IATA:	Void.
Environmental hazards	
Marine pollutant:	No.
Special precautions for user:	Not applicable.
Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable.
UN "Model Regulation":	Void.

SECTION 15: Regulatory information

Safety, health, and environmental regulations/legislation specific for the substance or mixture:	No further relevant information available.
Directive 2012/18/EU	
Named dangerous substances - ANNEX I:	None of the ingredients is listed.
REGULATION (EC) No 1907/2006 ANNEX XVII:	Conditions of restriction: 3.
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H242 Heating may cause a fire.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)



PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Org. Perox. E: Organic peroxides – Type E/F
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Disclaimer

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