

TECHNICAL INFORMATION

Tecsol Gasket Maker

DESCRIPTION

Tecsol Gasket Maker is an OEM Designer Gasket material that forms in place, making almost any size and shape, replacing paper, cork etc. and eliminating relaxation and on load loss. The assembled parts are usually suitable for immediate Low Pressure (6 bar) service and once cured can resist 350 Bar pressures depending on gap size.

APPLICATIONS

All formed in place applications such as gear box sealing, pump flanges, transmission assemblies, cover plates on tanks, cam shaft sealing, bearing gaps, outer housings, crank case and sump assemblies and flange pipe fittings.

PROPERTIES

Thixotropic gel which is screen printable, or suited to automation by "x", "y" tables, to simple tube or cartridge dispensing.

INSTRUCTIONS FOR USE

Ensure parts are clean, dry and free from oil and grease.

PROCEDURE FOR APPLICATION

Product is normally hand applied from the bottle.

COMPATIBLE

ACCELERATORS/PRIMERS

Primers such as A471 (Standard Anaerobic Activator) can be used, however up to 30% strength loss can occur when using accelerators, but the benefit of cure through larger gaps is sometimes considered to be necessary.

The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Tecsol and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. It is the users responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore the users responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.

TECHNICAL FEATURES

Resin.....Dimethacrylate
Colour.....Orange Paste
Fixture Speed No Activator.....15-30 minutes
Fixture Speed With Activator.....10 minutes
Viscosity50,000cps
Gap Fill.....0.5
Flash Point.....>100C
Shelf Life.....12 months @ 20°C
Specific Gravity.....1.10
Max Operating Temperature:.....-55 C to + 150C

CURED PERFORMANCE

Full Cure Time:.....24 hours
Breakloose Strength:.....8 N.m
Static Shear Strength:.....10N/mm(2)

STORAGE

Store in a cool area out of direct sunlight.
Shelf Life:12 months @ ambient temperatures.

PRESENTATION

Accordion Applicator:.....65ml
Tubes:.....50g & 250g
Cartridge:.....160ml

HEALTH & SAFETY IN USE

IRRITANT: Contains Methacrylate Esters and some products contain small amounts of Acrylic Acid.
Irritates eyes, the respiratory organs and the skin. In case of contact with the skin wash immediately with plenty of water.

MATERIAL SAFETY DATA SHEET FOR S74

1. IDENTIFICATION OF PRODUCT & COMPANY
PRODUCT NAME - <i>Tecsol Gasket Maker</i> INTENDED USE - No relevant information SUPPLIER - Trade Secrets, 61 lakeside Boulevard, Doncaster, South Yorkshire, DN4 5PL
2. COMPOSITION / INFORMATION OF INGREDIENTS
A blend of plasterciser(s), dimethacrylate resin(s), flexibiliser(s), stabiliser(s) viscosity modifier(s) p.t.f.e and pigment(s) For details of substances presenting a health hazard within the meaning of the Chemicals (Hazard Information & Packing) regulations 1993 see under Section 8 of this Safety Data Sheet.
3. HAZARDS IDENTIFICATION
Prolonged contact with product may result in the removal of essential fats and may result in dermatitis unless good personal hygiene is used.

May cause sensitisation by skin contact - Irritating to eyes, respiratory system and skin - Harmful by inhalation, in contact with skin and if swallowed.

4. FIRST AID MEASURES

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

First Aid for Inhalation:

Remove to fresh air, keep warm and at rest. If breathing is irregular or stopped give artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

First Aid for Eye Contact:

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

First Aid for Skin Contact:

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

First Aid for Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest. **DO NOT** induce vomiting.

5. FIREFIGHTING MEASURES

Extinguishing Media: Carbon Dioxide, Dry Powder, Sand, Foam, Water Spray Mist.

NOT TO BE USED-

SPECIAL INSTRUCTIONS FOR FIRE FIGHTING PERSONNEL - Fire will produce dense black smoke containing hazardous products of combustion (see Section 10.) Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with a water spray. Do not allow water run off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sect.7&8 Do not allow large quantities to enter drains or water courses. If it does local water companies should be contacted, in case of contamination of streams or rivers or lakes the National Rivers Authority. Contain and collect spillage's with non-combustible absorbent materials e.g. sand, earth and place in suitable container for disposal in accordance with the waste regulations.

7. HANDLING AND STORAGE

Avoid skin & eye contact. For personal protection see sect.8. Good housekeeping and regular removal of waste materials will minimise risks. Observe the label precautions. Store between 5 & 25°C in a dry well ventilated place away from sources of heat, ignition and direct sunlight. No smoking.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures - Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If extraction methods are insufficient to maintain concentrations of particulates and/or solvent vapours below relevant OEL's, suitable respiratory protective equipment should be worn.

Substance Name	% Conc Range	Symbol	OES 8 hr ppm	OES 15 min ppm	Risk Phrases	Notation
2-HYDROXYETHYL METHACRYLATE	>10% & = <25%	Xi			36/38-43	

Notes

Notations = Sk - risk or absorption through skin Sen - respiratory sensitiser.

OES = Occupational Exposure Standard MEL - Maximum Exposure Limit.

OEL's are from EH40 except where marked SUP which are assigned by the supplier of the substance.

General Protection - All ppe, including rpe, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

Respiratory Protection - If exposure to hazardous substances identified above cannot be controlled by provision of local exhaust ventilation & good general extraction, suitable respiratory protective equipment should be worn.

Hand Protection - Full physical protection is best. Seek relevant advice from glove manufacturers. Barrier cream may be of help but should not be applied after exposure has occurred.

Eye Protection - Eye protection designed to protect against liquid splashes should be worn.

Skin Protection - Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

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MATERIAL SAFETY DATA SHEET FOR Tecsol Gasket Maker

9. Physical & Chemical Properties

Physical State	Orange Viscous Paste	Vapour Density	Heavier than Air
Flash Point		Lower Explosion Limit	
Viscosity		Solubility in Water	Immiscible
Specific Gravity	1.00 gms/cc Method Calculation		

10. STABILITY AND REACTIVITY

Stable under the recommended storage & handling conditions (see sect.7) Keep away from oxidising agents and strongly alkaline and acid materials to prevent the possibility of an exothermic reaction.

11. TOXICOLOGICAL INFORMATION

Acrylate components have irritant properties. Prolonged or repeated exposure with skin or mucous membrane may result in irritant symptoms such as redness blistering or dermatitis. Splashes in the eye may cause irritation and reversible local damage.

12. ECOLOGICAL INFORMATION

Large quantities of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

13. DISPOSAL CONSIDERATIONS

Do not allow large quantities to enter the drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution & Environmental Protection Acts. Residues in emptied containers should be neutralised with decontaminant (see sect.6)

14. TRANSPORT INFORMATION

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information & Packaging) Regulations as follows:

Classification: Sensitising
Irritant to Skin

Contains

Risk Phrases 43 May cause sensitisation by skin contact
36/37/38 Irritating to eyes, respiratory system and skin
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

Safety Phrases 46 If swallowed seek medical advice immediately and show this container or label.
28 After contact with skin, wash immediately with plenty of water
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
27 Take off immediately all contaminated clothing.

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health & safety legislation.

The provisions of the Health & Safety at work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

16. OTHER INFORMATION

Text of any Risk Phrases listed in Section 8 - This relates to 100% concentration of an ingredient.

R36/38 Irritating to eyes and skin
R43 May Cause sensitisation by skin contact

Date of Origination 06/04/95

Date of last revision 06/04/95

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) 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 instructions. As the specific conditions of use of the product are outside of the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation complied with.

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation..

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:- The control of Substances Hazardous to Health Regulations 1988 (SI 1988: 1657)
The manual Handling Operations Regulations 1992 (SI 1992: 2793). Storage of Flammable Liquids in Containers. HS (G) 51
Storage of Packaged Dangerous Substances HS (G) 71. The Environmental Protection (duty of Care) Regulations 1992 (SI 1988: 2839)

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