

MATERIAL SAFETY DATA SHEET

1 Product and company identification

PRODUCT NAME : **Wynn's Gasket Maker**

SUPPLIER :

Wynn Oil UK, a division of ITW Ltd.

Thames Court

2 Richfield Avenue

Reading

RG1 8EQ

Telephone number : 0118 9504090

Telefax number : 0118 9504001

EMERGENCY TELEPHONE NUMBER: 01865 407 333

Date: 23 July 2004

Use: Used for making joints, sealing and gluing.

2 Composition / information on ingredients

Chemical nature: blend based on polydimethylsiloxanes , amorphous silica & crosslinker

Components presenting hazards:

Alkyltriacetoxysilanes (CAS: 4253-34-3 & 17689-77-9): <5%. EEC Classification: C; R 14-34. EINECS N°: 224-221-9 & 241-677-4

C15-19 Alkane (CAS: 64742-46-7): < 25%. EEC classification: Xn R65. (ATP 21)
EINECS N°: 265-148-2

Further information:

During use, acetic acid is released (CAS: 64-19-7). EINECS N°: 200-580-7

3 Hazards identification

MOST IMPORTANT HAZARDS

Adverse human health effects: slightly irritating to eyes, respiratory system and skin.

Environmental effects: presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.

Physical and chemical hazards

- Fire or explosion: combustible

- Further hazards: on contact with humidity, irritating vapours are released.

Classification/specific hazards

- According to EC criteria, this product is not classified as a "hazardous preparation".

Further information

- After drying, may stick to the skin.

4 First-aid measures

Inhalation: move to the fresh air. If irritation persists, consult a doctor.

Skin contact: wipe off as much as possible (using a clean, soft, absorbent material). Wash immediately with plenty of soap and water.

Eye contact: immediately rinse with water for a prolonged period whilst keeping the eyes wide open. If irritation persists, consult an eye specialist.

Ingestion: consult a doctor if necessary.

5 Fire - fighting measures

Extinguishing media

- Suitable: Carbon dioxide (CO₂)
 - Foam
 - Powders
 - Water spray

- Not suitable : None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

Specific hazards: combustible. For further information, refer to section 10: "Stability and Reactivity".

Specific fire fighting methods: cool down the containers/equipment exposed to heat with a water spray.

Protection of fire-fighters: self-contained breathing apparatus.

6 Accidental release measures

Personal precautions: avoid contact with skin and eyes. Do not breathe vapours.

Protective equipment: for further information refer to Section 8 "Exposure-controls/personal protection".

Mechanically ventilate the spillage area.

Environmental precautions: this product does not present any particular risk for the environment

Methods for cleaning up

- Recovery: recover the product by scraping with a spatula or a similar instrument. Collect up the product and place it in a spare container, suitably labelled and tightly closed.
- Neutralization: absorb residues with inert absorbent material.
- Cleaning/Decontamination: decontaminate and wash the floor with an appropriate solvent. (cf. : § 9). Then wash with plenty of water.
- Disposal: for disposal of solid materials refer to Section 13 "Disposal considerations".

7 Handling and storage

HANDLING

Technical measures: ventilation

Safety measures: do not exceed the occupational exposure limits (OEL).

Safe handling advice: comply with instructions for use (refer to technical sheet). Work outside or in a well-ventilated room.

STORAGE

Technical measures: does not require any specific or particular technical measures.

Storage conditions: keep

- only in the original container
- the container tightly closed and dry.

Incompatible products: strong oxidizing agents.

Packaging: polyethylene liner in a metal drum varnished with epikote.

- Polyethylene cartridges (outer packaging - cardboard box).

Packaging materials: recommended – polyethylene, coated metals.

Further information: the product polymerises on contact with air.

8 Exposure controls / personal protection

Engineering measures: ensure good ventilation of the work station.

Control parameters/Occupational exposure limits

- Limits (France): acetic acid : VLE : 25 mg/m³ (10 ppm)

C15-19 Alkane VLE: 200 ppm

- Limits (U.S.A./A.C.G.I.H.): acetic acid TLV (TWA) = 25 mg/m³ (10 ppm)
acetic acid TLV (STEL) = 37 mg/m³ (15 ppm)

- Limits (UK): acetic acid
OES: 10 ppm (25 mg/m³).
(Long term exposure limit - 8h TWA reference period).
OES: 15 ppm (37 mg/m³).
(Short term exposure limit - 15 minute reference period).

Surveillance procedures: measure the concentration in the atmosphere.

Personal protective equipment

- Respiratory protection: in the event of insufficient ventilation, respiratory protective device with a gas filter.
- Hand protection: protective gloves made of rubber.
- Eye protection: safety spectacles.

Collective emergency equipment: eye fountain.

9 Physical and chemical properties

APPEARANCE

- Physical state: thixotropic paste
- Colour: translucent or pigmented

Odour: of vinegar

pH: Not applicable

Specific temperatures

Decomposition temperature: > 200°C

Flammability characteristics

- Flash point: > 150 °C (Closed cup, according to method Afnor T 60103)

Oxidizing properties: non oxidizing material according to EC criteria

Specific gravity: approx. 1010 kg/m³ at 25°C

Solubility

- in water: practically insoluble

- in organic solvents: insoluble in:

- acetone

- alcohol (ethanol)

dispersible (partial solubility) in:

- petrol

- white-spirit

- aromatic hydrocarbons (toluene, xylene)

- chlorinated solvents

10 Stability and reactivity

Stability: stable at room temperature provided it is not in contact with air. Vulcanises at room temperature on contact with moisture in the air.

Hazardous reactions

- Conditions to avoid: no dangerous reactions known under normal conditions of use.

- Hazardous decomposition products: during vulcanisation, acetic acid is released.

(Quantity potentially released: < 3 % of product weight).

On combustion forms: carbon oxides (CO + CO₂), amorphous silica

11 Toxicological information

Acute toxicity: acetic acid
LC 50 inhalation (mouse) / 1 h: 14 mg/l
(Published data)

Local effects: repeated or prolonged contact may cause slight irritation to the skin.
May cause slight temporary irritation to ocular mucous membranes.

Sensitisation: no information available

Specific effects, mutagenicity: no information available

Further information: at high concentrations, the vapours can be irritating to the respiratory system.

12 Ecological information

MOBILITY

Precipitation: slightly soluble product, readily forms deposits.

Expected behaviour of the product: ultimate destination of the product: SOIL and SEDIMENT

BIODEGRADABILITY

Ultimate aerobic biodegradability: not biodegradable

BIOACCUMULATION

Bioconcentration factor: not bioaccumulable.

ECOTOXICITY

Effects on the aquatic environment: acetic acid:

EC 50 (Daphnia: Daphnia magna)/24 h: 150 mg/l

LC 50 (Fish: Pimephales promelas) / 96h: 88 mg/l

13 Disposal considerations

WASTE FROM RESIDUES

Destruction/Disposal: dispose of at a licensed waste collection point.

CONTAMINATED PACKAGING

Decontamination/cleaning: separate the different packaging components and treat them separately

Destruction/Disposal: incinerate plastic packaging at a licensed installation.
entrust the uncontaminated packaging to a licensed waste contractor
following decontamination, re-use or recycle metal packaging.

Disposable containers: incinerate at a licensed installation.

NOTE: the user's attention is drawn to the possible existence of local regulations regarding disposal.

14 Transport information

INTERNATIONAL REGULATIONS

Land

Rail/road (RID/ADR): NOT restricted

Sea (IMO/IMDG): NOT restricted

Air (ICAO-IATA): NOT restricted

OTHER REGULATIONS

- United Kingdom: Rail/road NOT restricted

NOTE : The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15 Regulatory information

LABELLING

EC regulations: mandatory labelling (self-classification) of hazardous preparations: not applicable.

>>Further regulations

United Kingdom: handle in accordance with relevant British legislation:

Control of Substances Hazardous to Health Regulations

Environmental Hygiene Guidance: EH/40 Occupational Exposure Limits
(revised annually).

NOTE :

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16 Other information

Uses

- Prohibited uses: this product is only intended for industrial use.

R Phrases of § 2 & 3 R 14: Reacts violently with water.
 R 34: Causes burns.
 R 65: Harmful: May cause lung damage if swallowed.

- European inventory (EINECS, ELINCS)

These polymers are not concerned by the EINECS inventory.
The corresponding monomers are registered in the EINECS inventory.
All the other constituents of this preparation are registered in the EINECS inventory.

- American inventory (TSCA)

All the components of this preparation are registered in the TSCA inventory.

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.