

MATERIAL SAFETY DATA SHEET FOR  
LATEX FREE DENTAL RUBBER DAM

### 1. Chemical Product and Company Identification

Synthetic Rubber Sheeting plus essential processing additives and pigments

Intended for use as a saliva dam in professional dentistry. Not intended for other uses.

Manufactured by: Four D Rubber Company Ltd, Slack Lane, Heanor Gate Industrial Estate, Heanor, Derbyshire DE75 7GX, United Kingdom.

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### 2. Hazards Identification

Synthetic rubber is considered non-hazardous under normal temperature conditions and is free of the proteins, which may cause allergies found in natural latex rubber. At temperatures in excess of 100°C degradation with the accompanying release of hazardous fumes may occur. Accelerators have the following hazard phrases under Regulation (EC) NO. 1272/2008):

- Acute Tox. 4 – H302 Skin Irritant.
- 2 – H315 Eye Irritant
- 2 – H319 Skin Sensitiser
- 1 – H317 STOT SE 3 – H335

Classification for accelerators under 67/548/EEC or 1994/45/EC:

- Xi; R36/37/38
- R43
- N; R50/53

### 3. Composition/Information on Ingredients

Synthetic rubber plus essential processing agents including zinc diethyl dithiocarbamate (ZDEC) accelerator and Diphenyl Guanidine (DPG).

### 4. First Aid Measures

Inhalation: Not applicable under normal temperature conditions. Remove from exposure in the event of inhalation of fumes/vapours at elevated temperatures and seek medical advice.

Skin contact: Not hazardous for short term exposure. Remove from exposure and seek medical advice in the event of allergy symptoms from the accelerators.

Eye contact: Not applicable

Ingestion: Not applicable

## **5. Flammable Properties**

Will ignite if in contact with a naked flame. Observe non smoking regulations in storage areas.

## **6. Accidental Release Measures**

Not applicable on normal use.

## **7. Handling and Storage**

Observe correct manual handling procedures.

Store below 26°C and away from heaters.

Avoid damp storage conditions.

Protect from prolonged exposure to light in particular bright sunlight and strong u.v. light which will degrade light coloured sheets.

Avoid contact with copper and copper containing alloys which will cause staining.

Avoid contact with oils, solvents and greases, which will destroy the rubber.

## **8. Exposure Controls**

Adequate ventilation should be provided at the point of work in order that fumes do not accumulate in the work area.

## **9. Physical and Chemical Properties**

Appearance: Rubber sheeting, either as a roll or cut squares.

Odour: Characteristic

Flash Point: >250°C

Water Solubility: Insoluble

Ignition Temp: >200°C

## **10. Stability and Reactivity**

Stable under normal conditions of use.

## **11. Toxicological Information**

No hazard likely under normal conditions.

## **12. Ecological Considerations**

Not water soluble. The synthetic rubber is biodegradable.

## **13. Disposal Considerations**

Dispose according to local/national regulations. Use an authorised waste disposal company.

## **14. Transport Information**

Not thought to be a dangerous cargo.

## **15. Regulatory Information**

The accelerators in their raw state have the following risk phrases: R22 Harmful if swallowed, R34 Causes burns, R35 Causes severe burns, R36/37/38 Irritating to eyes, respiratory system and skin, R37 Irritating to respiratory system, R38 R43 May cause sensitisation by skin contact, R50 Very toxic to aquatic organisms, R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment, R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment, R62 Possible risk of impaired fertility.

The accelerators in their raw state have the following Hazard Statements: H301 Toxic if swallowed, H302 Harmful if swallowed, H311 Toxic 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, H361f Suspected of damaging fertility, H400 Very toxic to aquatic life, H410 Very toxic to aquatic life with long lasting effects, H411 Toxic to aquatic life with long lasting effects.

## **16. Other Information**

Originally Issued 23/09/2016. Re-issued without amendments on 21/07/2020.

The information on this data sheet is presented in good faith and is accurate to the best of our knowledge at the above date. However, it is issued without guarantee.