

Identification Number	SEV - 0002		
Title	FrameStar MSDS		
Revision	001	Effective Date	12/12/2013
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# Material Safety Data Sheet (MSDS)

FrameStar™

2-Component Plates



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# **Material Safety Data Sheet**

## 1. Identification of the Substance and the manufacture

Trade name: 2-componet PCR plate

Product name: FrameStar™

Product description: A PCR plate with a rigid frame to reduce warping

and evaporation during PCR

Product Codes: 4ti-0380/C, 4ti-0381, 4ti-0384/B/C/G/R/X, 4ti-0385,

4ti-0386, 4ti-0950/C, 4ti-0951, 4ti-0910/C, 4ti-0911, 4ti-0900/C, 4ti-0901, 4ti-0770/C, 4ti-0771, 4ti-0960/B/C/G/R/W/X, 4ti-0961, 4ti-0730/B/C/G/R/X,

4ti-0731, 4ti-0720/B/C/G/R/X, 4ti-0710/B/C/G/R/X, 4ti-0721, 4ti-0711, 4ti-0785, 4ti-0786, 4ti-1001,

4ti-1000/B/C/G/R/W/X, 4ti-1200/B/C/G/R/W/X

Recommended Use: PCR and QPCR experiments

Frame Material: Polycarbonate (virgin)

Tube/well Material: Polypropylene (virgin)

Company: 4titude Ltd

The Surrey Hills Business Park

Damphurst Lane, Wotton

Surrey, RH5 6QT

UK

Telephone: ++44 (0) 1306 884 885



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#### 2. Hazards Identification

Skin Contact:

Eye Contact:

Unlikely to cause irritation

Unlikely to cause irritation

Unlikely due to physical form

Ingestion Unlikely due to physical form

Other Warnings Polycarbonate frame can retain a small amount of

heat after PCR cycle is completed, hand with care.

## 3. Physical and Chemical Properties (Polypropylene)

Physical State: Solid

Colour: Clear, White & Black

Melting Point: 160°C

Auto-ignition temperature 400°C approx.

Water Solubility Insoluble

Specific Gravity 0.90

Odour: No Odour

# 4. Physical and Chemical Properties (Polycarbonate)

Physical State: Solid
Colour: Various
Melting Point: Various

Auto-ignition temperature 630°C approx.

Water Solubility Insoluble

Specific Gravity >1

Odour: No Odour



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#### 5. Fire Hazards

Suitable Extinguishers: Water, Foam

Unsuitable extinguishers: CO<sub>2</sub>, Dry Chemicals

Hazardous Bi-products Hazardous gases (CO<sub>2</sub> & CO), Thick black smoke,

hydrocarbons fragments harmful to repertory system

Special protective equipment for fire-fighters Self-contained breathing apparatus

#### 6. Storage

Store in a cool dry location.

Avoid direct sun-light

## 7. Stability And Reactivity

Stability: Stable

Hazardous Decomposition Products: CO<sub>2</sub> & Carbon Monoxide (CO)

Hazardous Polymerization: Will Not Occur

#### 8. First AID Measures

Inhalation: Move to fresh air in case of accidental inhalation of

fumes from overheating or combustion. If symptoms

persist, call a physician.

Skin contact: Cool skin rapidly with cold water

Eye Contact: Flush with water for 15 minutes, if irritation persists

seek medical attention