



## Safety Data Sheet

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This product is defined as an article as per the Occupational Safety and Health Administration's Hazard Communication Standard (29 CFR 1910.1200(b)(6)(v)). As defined in this Standard:

'Article' means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and which does not pose a physical hazard or health risk to employees.

When used under reasonable conditions and in accordance with the directions for use, the product should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the directions for use may affect its performance and present potential health and safety hazards.

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This Safety Data Sheet has been prepared in accordance with the GHS guidelines & India Hazardous substances (Classification, Labeling & Packaging) Draft Rules 2011.

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Rapid SRB Detection Pouch

#### Product Identification Numbers

98-0213-3386-3      98-0213-3670-0

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Quality Control Indicator

##### Restrictions on use

For Industrial Use Only. Not intended for use in medical, food, drug, or cosmetic applications.

#### 1.3. Supplier's details

**Address:** 3M India Limited, plot-48-51, Electronic city, Hosur road, Bangalore-560100  
**Telephone:** 080-45543000, contact Product EHS team  
**E Mail:** productehs.in@mmm.com  
**Website:** <http://solutions.3mindia.co.in>

#### 1.4. Emergency telephone number

080-45543000 (Contact hours: 8:00 AM to 5:00 PM)

### SECTION 2: Hazard identification

Under MSIHC Rules, information is noted below on flammability, acute toxicity and explosivity relevant to this product. In line with international standards, information on other hazard classes and associated precautionary statements relevant to this product are included as well.

**2.1. Classification of the substance or mixture**

Not classified as hazardous according to UN GHS criteria.

**2.2. Label elements****Signal Word**

Not applicable.

**Symbols**

Not applicable

**Pictograms**

Not applicable

**2.3. Other hazards**

None known.

**SECTION 3: Composition/information on ingredients**

This material is a mixture.

<b>Ingredient</b>	<b>CAS Nbr</b>	<b>% by Wt</b>
Polyethylene terephthalate	25038-59-9	60 - 85
Adhesive	Trade Secret	5 - 30
Paper liner	Mixture	5 - 10
Liner Coating	Trade Secret	< 2.5
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	< 1
Isooctyl acrylate	29590-42-9	< 1

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

No need for first aid is anticipated.

**Skin contact**

No need for first aid is anticipated.

**Eye contact**

No need for first aid is anticipated.

**If swallowed**

Rinse mouth. If you feel unwell, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

**4.3. Indication of any immediate medical attention and special treatment required**

Not applicable

**SECTION 5: Fire-fighting measures**

**5.1. Suitable Extinguishing media**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

**5.2. Special hazards arising from the substance or mixture**

None inherent in this product.

**Hazardous Decomposition or By-Products****Substance**

None known.

**Condition**

During combustion.

**5.3. Special protective actions for fire-fighters**

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Not applicable. Ventilate the area with fresh air.

**6.2. Environmental precautions**

Not applicable. Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

Not applicable.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

**7.2. Conditions for safe storage including any incompatibilities**

Not applicable.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Isooctyl acrylate	29590-42-9	AIHA	TWA:37.5 mg/m3(5 ppm)	
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	ACGIH	TWA(inhalable fraction):1 mg/m3	A4: Not class. as human carcin

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

**8.2. Exposure controls****8.2.1. Engineering controls**

Not applicable.

## 8.2.2. Personal protective equipment (PPE)

### Eye/face protection

Eye protection not required.

### Skin/hand protection

No chemical protective gloves are required.

### Respiratory protection

Respiratory protection is not required.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Solid.
Specific Physical Form:	Film
Color	Colorless
Odor	Odourless
Odour threshold	<i>Not applicable.</i>
pH	<i>Not applicable.</i>
Melting point/Freezing point: NA	260 °C
Boiling point/Initial boiling point/Boiling range	<i>Not applicable.</i>
Flash point	No flash point
Evaporation rate	<i>No data available.</i>
Flammability (solid, gas)	Not classified
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	<i>Not applicable.</i>
Vapor Density and/or Relative Vapor Density	<i>Not applicable.</i>
Density	1 g/cm3
Relative density	1
Water solubility	Insoluble
Solubility- non-water	<i>Not applicable.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Autoignition temperature	<i>Not applicable.</i>
Decomposition temperature	<i>Not applicable.</i>
Viscosity/Kinematic Viscosity	<i>No data available.</i>
Volatile organic compounds (VOC)	<i>No data available.</i>
Percent volatile	<i>No data available.</i>
VOC less H2O & exempt solvents	<i>No data available.</i>
Average particle size	<i>No data available.</i>
Bulk density	<i>No data available.</i>
Molecular weight	<i>No data available.</i>
Softening point	<i>No data available.</i>

### Nanoparticles

This material does not contain nanoparticles.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non reactive under normal use conditions

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

None known.

### 10.5 Incompatible materials

None known.

No data available.

### 10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11.1 Information on Toxicological effects

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation

No health effects are expected.

#### Skin contact

No health effects are expected. Contact with the skin during product use is not expected to result in significant irritation.

#### Eye contact

No health effects are expected. Contact with the eyes during product use is not expected to result in significant irritation.

#### Ingestion

No health effects are expected. Physical Blockage: Signs/symptoms may include cramping, abdominal pain, and constipation.

**Additional information:**

This product, when used under reasonable conditions and in accordance with the 3M directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards

**Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Polyethylene terephthalate	Dermal		LD50 estimated to be > 5,000 mg/kg
Polyethylene terephthalate	Ingestion	Rat	LD50 > 5,000 mg/kg
Liner Coating	Dermal		LD50 estimated to be 2,000 - 5,000 mg/kg
Liner Coating	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	Dermal	Rabbit	LD50 > 5,010 mg/kg
Isooctyl acrylate	Dermal	Rabbit	LD50 > 2,000 mg/kg
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	Ingestion	Rat	LD50 2,315 mg/kg
Isooctyl acrylate	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Polyethylene terephthalate	In vitro data	No significant irritation
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	Rabbit	Mild irritant
Isooctyl acrylate	In vitro data	No significant irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
Polyethylene terephthalate	Human	No significant irritation
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	Rabbit	Moderate irritant
Isooctyl acrylate	similar health hazards	Mild irritant

**Sensitization:****Skin Sensitisation**

Name	Species	Value
Polyethylene terephthalate	Human	Not classified
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	Guinea pig	Sensitising
Isooctyl acrylate	Mouse	Sensitising

**Respiratory Sensitisation**

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Germ Cell Mutagenicity**

Name	Route	Value
Polyethylene terephthalate	In Vitro	Not mutagenic
Isooctyl acrylate	In Vitro	Some positive data exist, but the data are not

sufficient for classification

**Carcinogenicity**

Name	Route	Species	Value
Isooctyl acrylate	Dermal	Mouse	Not carcinogenic

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
Isooctyl acrylate	Dermal	Not classified for female reproduction	Rat	NOAEL 57 mg/kg/day	premating & during gestation
Isooctyl acrylate	Dermal	Not classified for male reproduction	Rat	NOAEL 57 mg/kg/day	premating & during gestation
Isooctyl acrylate	Dermal	Not classified for development	Rat	NOAEL 57 mg/kg/day	premating & during gestation
Isooctyl acrylate	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	during organogenesis

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Isooctyl acrylate	Inhalation	respiratory irritation	Not classified	Human	NOAEL Not available	occupational exposure
Isooctyl acrylate	Ingestion	central nervous system depression	Not classified	Rat	NOAEL 5,000 mg/kg	

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Polyethylene terephthalate	Ingestion	heart   skin   endocrine system   bone, teeth, nails, and/or hair   hematopoietic system   liver   immune system   muscles   nervous system   eyes   kidney and/or bladder   respiratory system	Not classified	Rat	NOAEL Not available	13 weeks
Isooctyl acrylate	Dermal	heart   endocrine system   hematopoietic system   liver   immune system   nervous system   kidney and/or bladder   respiratory system	Not classified	Rat	NOAEL 57 mg/kg/day	premating & during gestation
Isooctyl acrylate	Ingestion	endocrine system   liver   kidney and/or bladder   heart   bone, teeth, nails, and/or hair   hematopoietic system   immune	Not classified	Rat	NOAEL 600 mg/kg/day	90 days

		system   muscles   nervous system   eyes   respiratory system   vascular system				
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**Aspiration Hazard**

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

## SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

**12.1. Toxicity****Acute aquatic hazard:**

Not acutely toxic to aquatic life by GHS criteria.

**Chronic aquatic hazard:**

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
Polyethylene terephthalate	25038-59-9		Data not available or insufficient for classification			N/A
Adhesive	Trade Secret		Data not available or insufficient for classification			N/A
Liner Coating	Trade Secret		Data not available or insufficient for classification			N/A
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Fathead minnow	Experimental	96 hours	LC50	0.36 mg/l
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Water flea	Experimental	48 hours	EC50	0.16 mg/l
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Water flea	Experimental	21 days	NOEC	0.0071 mg/l
Isooctyl acrylate	29590-42-9	Green algae	Estimated	72 hours	EC50	0.535 mg/l
Isooctyl acrylate	29590-42-9	Fathead minnow	Experimental	96 hours	LC50	0.67 mg/l



Isooctyl acrylate	29590-42-9	Water flea	Experimental	48 hours	EC50	0.4 mg/l
Isooctyl acrylate	29590-42-9	Water flea	Experimental	21 days	NOEC	0.065 mg/l
Isooctyl acrylate	29590-42-9	Activated sludge	Experimental	3 hours	EC50	>1,000 mg/l

## 12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Polyethylene terephthalate	25038-59-9	Data not available-insufficient			N/A	
Adhesive	Trade Secret	Data not available-insufficient			N/A	
Liner Coating	Trade Secret	Data not available-insufficient			N/A	
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Data not available-insufficient			N/A	
Isooctyl acrylate	29590-42-9	Experimental Biodegradation	28 days	BOD	93 % BOD/ThBOD	OECD 301D - Closed bottle test

## 12.3 : Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Polyethylene terephthalate	25038-59-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Adhesive	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Liner Coating	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Experimental BCF-Carp	42 days	Bioaccumulation factor	11	Non-standard method
Isooctyl acrylate	29590-42-9	Estimated Bioconcentration		Bioaccumulation factor	120-940	Catalogic™
Isooctyl acrylate	29590-42-9	Experimental Bioconcentration		Log Kow	4.6	

## 12.4. Mobility in soil

Please contact manufacturer for more details

## 12.5 Other Adverse effects

No information available.

## **SECTION 13: Disposal considerations**

### **13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility.

## **SECTION 14: Transport Information**

Not hazardous for transportation.

### **Air Transport (IATA) Regulations**

**UN No** Not applicable

**Proper Shipping Name** Not applicable

**Hazard Class/Division** Not applicable

**Subsidiary Risk** Not applicable

**Packing Group:** Not applicable

### **Marine Transport (IMDG)**

**UN No** Not applicable

**Proper Shipping Name** Not applicable

**Hazard Class/Division** Not applicable

**Subsidiary Risk** Not applicable

**Packing Group:** Not applicable

**Environmental Hazards:** Not applicable

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **Global inventory status**

Contact 3M for more information. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

#### **Applicable Environmental, Health and Safety Regulations**

The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989

Hazardous Chemicals (Classification, Packaging and Labelling Draft Rules), 2011

The following ingredients are listed as hazardous on Part II of Schedule I of the India Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) rules  
None.

The following ingredients are classified as hazardous based on the criteria listed under Part I of Schedule I of the India Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) rules:  
The product is classified as Non-Hazardous as per MSIHC Rules, 1989.

## **SECTION 16: Other information**

### **NFPA Hazard Classification**

**Health:** 0    **Flammability:** 1    **Instability:** 0    **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

**Revision information:**

Company Telephone information was modified.

Section 1: Emergency telephone information was modified.

Section 1: Product identification numbers information was modified.

Section 02: GHS Classification Statements information was added.

Section 02: GHS Pictogram Not Applicable information was added.

Label: GHS Classification information was deleted.

Label: Graphic information was deleted.

Section 2: Ingredient table information was modified.

Section 04: Information on toxicological effects information was deleted.

Section 5: Fire - Advice for fire fighters information information was modified.

Section 5: Fire - Extinguishing media information information was modified.

Section 6: Accidental release environmental information information was modified.

Section 6: Accidental release personal information information was modified.

Section 8: Occupational exposure limit table information was added.

Section 8: Occupational exposure limit table information was modified.

OEL Reg Agency Desc information was added.

Section 8: Personal Protection - Respiratory Information information was modified.

Section 8: STEL key information was added.

Section 8: TWA key information was added.

Section 09: Color information was added.

Section 09: Nanoparticle information was added.

Section 09: Odor information was added.

Sections 3 and 9: Odour, colour, grade information information was deleted.

Section 09: Percent Volatile information was added.

Section 9: Property description for optional properties information was added.

Section 9: Property description for optional properties information was deleted.

Section 09: Vapor Density Value information was added.

Section 9: Vapour density value information was deleted.

Section 9: Viscosity information information was deleted.

Section 09: Viscosity information was added.

Section 09: VOC Less H<sub>2</sub>O & Exempt Solvents information was added.

Section 09: Volatile Organic Compounds information was added.

Section 11: Acute Toxicity table information was modified.

Section 11: Carcinogenicity Table information was added.

Section 11: Carcinogenicity text information was deleted.

Section 11: Germ Cell Mutagenicity Table information was added.

Section 11: Germ Cell Mutagenicity text information was deleted.

Section 11: Health Effects - Eye information information was modified.

Section 11: Health Effects - Ingestion information information was modified.

Section 11: Health Effects - Skin information information was modified.

Section 11: Reproductive and/or Developmental Effects text information was added.

Section 11: Reproductive Toxicity Table information was added.

Section 11: Serious Eye Damage/Irritation Table information was added.

Section 11: Serious Eye Damage/Irritation text information was deleted.

Section 11: Skin Corrosion/Irritation Table information was added.

Section 11: Skin Corrosion/Irritation text information was deleted.

Section 11: Skin Sensitization Table information was added.

Section 11: Skin Sensitization text information was deleted.

Section 11: Specific Target Organ Toxicity - repeated exposure text information was deleted.

Section 11: Specific Target Organ Toxicity - single exposure text information was deleted.

Section 11: Target Organs - Repeated Table information was added.

Section 11: Target Organs - Single Table information was added.

Section 12: Component ecotoxicity information information was added.

Prints No Data if Bioaccumulative potential information is not present information was deleted.

Prints No Data if Persistence and Degradability information is not present information was deleted.

Section 12: Persistence and Degradability information information was added.

Section 12: Bioaccumulative potential information information was added.

Section 13: Standard Phrase Category Waste GHS information was modified.

Section 15: Applicable Environmental, Health and Safety Regulations information was modified.

Section 15: Regulations - Inventories information was modified.

Section 16: NFPA hazard classification for flammability information was modified.

Section 16: UK disclaimer information was deleted.

Section 2: GHS Signal Word - Not applicable information was added.

Section 2: GHS Symbol Text - Not applicable information was added.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

**3M India SDSs are available at <http://solutions.3mindia.co.in>**