

Report Date : 22/04/2014  
Revision Date APRIL 2014  
Revision 6

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## SAFETY DATA SHEET TAMPER EVIDENT SEAL 196-5245

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name TAMPER EVIDENT SEAL 196-5245  
Product No. RS 196-5245

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Tamper evident seal  
Uses advised against At this moment in time we do not have information on use restrictions. They will be included in this safety data sheet when available

#### 1.3. Details of the supplier of the safety data sheet

Supplier RS COMPONENTS  
BIRCHINGTON ROAD  
CORBY  
NORTHANTS NN17 9RS UK  
+44 (0) 1536 402888  
+44(0) 1536 401588  
technical.help@rs-components.com

#### 1.4. Emergency telephone number

+44 (0) 01536 402888 (8am - 8pm)

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)

Physical and Chemical	Flam. Liq. 2 - H225
Hazards	
Human health	EUH066;STOT SE 3 - H336
Environment	Not classified.

Classification (1999/45/EEC)

F;R11. R66, R67.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Supplementary Precautionary Statements

P261	Avoid breathing vapour/spray.
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Supplemental label information

EUH066	Repeated exposure may cause skin dryness or cracking.
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**2.3. Other hazards**

Not Classified as PBT/vPvB by current EU criteria.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

<b>BUTYL ACETATE -norm</b>		<b>10-30%</b>
<b>CAS-No.: 123-86-4</b>	<b>EC No.: 204-658-1</b>	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	R10	
EUH066	R66	
STOT SE 3 - H336	R67	
<b>ETHYL ACETATE</b>		<b>10-30%</b>
<b>CAS-No.: 141-78-6</b>	<b>EC No.: 205-500-4</b>	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 2 - H225	F;R11	
EUH066	Xi;R36	
Eye Irrit. 2 - H319	R66	
STOT SE 3 - H336	R67	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition Comments**

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures****Inhalation**

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

**Ingestion**

DO NOT INDUCE VOMITING! Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Rinse mouth thoroughly. Get medical attention.

**Skin contact**

Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

**Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**4.2. Most important symptoms and effects, both acute and delayed****4.3. Indication of any immediate medical attention and special treatment needed**

Treat Symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Extinguishing media**

Use: Alcohol resistant foam. Powder. Dry chemicals, sand, dolomite etc.

**5.2. Special hazards arising from the substance or mixture****Hazardous combustion products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

**5.3. Advice for firefighters****Special Fire Fighting Procedures**

Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours.

**Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground.

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

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wear necessary protective equipment.

**6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

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

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

**Storage Class**

Flammable liquid storage.

**7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m3	200 ppm	966 mg/m3	
ETHYL ACETATE	WEL	200 ppm		400 ppm		

WEL = Workplace Exposure Limit.

**TAMPER EVIDENT SEAL 196-5245**BUTYL ACETATE -norm (CAS: 123-86-4)**DNEL**

Industry	Inhalation.	Long Term	Systemic Effects	480 mg/m3
Industry	Inhalation.	Short Term	Systemic Effects	960 mg/m3
Consumer	Inhalation.	Short Term	Systemic Effects	859.7 mg/m3
Consumer	Inhalation.	Long Term	Systemic Effects	102.34 mg/m3
Consumer	Inhalation.	Long Term	Local Effects	102.34 mg/m3
Industry	Inhalation.	Long Term	Local Effects	480 mg/m3
Consumer	Inhalation.	Short Term	Local Effects	859.7 mg/m3
Industry	Inhalation.	Short Term	Local Effects	960 mg/m3

**PNEC**

Freshwater	0.18	mg/l
Marinewater	0.018	mg/l
Intermittent release	0.36	mg/l
STP	35.6	mg/l
Sediment (Freshwater)	0.981	mg/kg
Sediment (Marinewater)	0.0981	mg/kg
Soil	0.0903	mg/kg

**8.2. Exposure controls****Protective equipment****Process conditions**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

**Engineering measures**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**Respiratory equipment**

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment. Use respiratory equipment with combination filter, type A2/P3. EN14387

**Hand protection**

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Nitrile gloves are recommended. Gloves should conform to EN374

**Eye protection**

Wear approved chemical safety goggles where eye exposure is reasonably probable. EN166

**Other Protection**

Wear suitable protective clothing as protection against splashing or contamination.

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Red.
Odour	Characteristic.
Viscosity	600-800 cP @ 20 °C
Flash point (°C)	3.3 CC (Closed cup).

**9.2. Other information****SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Not determined.

#### **Hazardous Polymerisation**

Will not polymerise.

### **10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

### **10.5. Incompatible materials**

#### **Materials To Avoid**

Strong oxidising substances.

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### **Inhalation**

May cause irritation to the respiratory system.

#### **Ingestion**

May cause stomach pain or vomiting.

#### **Skin contact**

Product has a defatting effect on skin. Prolonged or repeated exposure may cause severe irritation.

#### **Eye contact**

Irritating to eyes.

#### **Toxicological information on ingredients.**

#### **ETHYL ACETATE (CAS: 141-78-6)**

##### **Acute toxicity:**

##### **Acute Toxicity (Oral LD50)**

5620 mg/kg Rat

##### **Acute Toxicity (Dermal LD50)**

18000 mg/kg Rabbit

##### **Acute Toxicity (Inhalation LC50)**

1620 ppmV (gas) Rat 4 hours

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Not regarded as dangerous for the environment.

### **12.1. Toxicity**

#### **Ecological information on ingredients.**

#### **ETHYL ACETATE (CAS: 141-78-6)**

##### **Acute Toxicity - Fish**

LC50 270 mg/l

##### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 2306 mg/l Daphnia magna

### **12.2. Persistence and degradability**

#### **Degradability**

There are no data on the degradability of this product.

**12.3. Bioaccumulative potential****Bioaccumulative potential**

No data available on bioaccumulation.

**12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects****SECTION 13: DISPOSAL CONSIDERATIONS****General information**

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

UN No. (ADR/RID/ADN)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263

**14.2. UN proper shipping name**

Proper Shipping Name	PAINT
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**14.3. Transport hazard class(es)**

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
Transport Labels	

**14.4. Packing group**

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

**14.6. Special precautions for user**

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## TAMPER EVIDENT SEAL 196-5245

EMS	F-E, S-E
Emergency Action Code	•3YE
Hazard No. (ADR)	33
Tunnel Restriction Code	(D/E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No information required.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

**Guidance Notes**

Workplace Exposure Limits EH40.

**EU Legislation**

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**Authorisations (Title VII Regulation 1907/2006)**

No specific authorisations are noted for this product.

**Restrictions (Title VIII Regulation 1907/2006)**

No specific restrictions of use are noted for this product.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision Date	APRIL 2014
Revision	6
SDS No.	CP0233

**Risk Phrases In Full**

R10	Flammable.
R11	Highly flammable
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

**Hazard Statements In Full**

EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

## Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.