

**SAFETY DATA SHEET**  
RS Cyanoacrylate Activator Aerosol  
**CP1248 v1.2 RS 473-401**

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Issued: 01/07/2008

Revision No: 1.1

**RS REACH MSDS Date 01/01/11**

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** RS Cyanoacrylate Activator Aerosol

**Index number:** 01-005-704

**Product code:** RS 473-401

**Use of substance / preparation:** Solvent-based activator for cyanoacrylate adhesives

**Company name:** RS Components Ltd

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**2. HAZARDS IDENTIFICATION**

**Main hazards:** Extremely flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** N,N-DIMETHYL-P-TOLUIDINE <1%

EINECS: 202-805-4 CAS: 99-97-8

[T] R23/24/25; [Xn] R33; [-] R52/53

• BUTANE 6-12%

EINECS: 203-448-7 CAS: 106-97-8

[F+] R12

• ISOPENTANE <1%

EINECS: 201-142-8 CAS: 78-78-4

[F+] R12; [N] R51/53; [Xn] R65; [-] R66; [-] R67

• NAPHTHA (PETROLEUM), HYDROTREATED LIGHT 50-90%

EINECS: 265-151-9 CAS: 64742-49-0

[F] R11; [Xi] R38; [N] R51/53; [Xn] R65; [-] R67

• N-HEXANE 1-3%

EINECS: 203-777-6 CAS: 110-54-3

[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R62; [Xn] R65; [-] R67; [N] R51/53

[cont...]

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#### 4. FIRST AID MEASURES

**(SYMPTOMS) Skin contact:** There may be irritation and redness at the site of contact. Prolonged or repeated contact may cause defatting of the skin, which can lead to dermatitis.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat. Nausea and stomach pain may occur.

**Inhalation:** Drowsiness or mental confusion may occur.

**(ACTIONS) Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Do not induce vomiting.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing becomes bubbly, have the casualty sit and provide oxygen if available.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Use water spray to cool containers. Do not use water.

**Exposure hazards:** Extremely flammable. Vapour may travel considerable distance to source of ignition and flash back. Forms explosive air-vapour mixture. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Eliminate all sources of ignition. Evacuate the area immediately. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

**Environmental precautions:** Do not discharge into drains or rivers.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

#### 7. HANDLING AND STORAGE

**Handling requirements:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid direct contact with the substance. Smoking is forbidden.

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight. Ensure lighting and electrical equipment are not a source of ignition.

**Suitable packaging:** Must only be kept in original packaging.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Hazardous ingredients:** BUTANEWEL (8 hr TWA): 1450 mg/m<sup>3</sup>    WEL (15 min STEL): 1810 mg/m<sup>3</sup>

## • ISOPENTANE

WEL (8 hr TWA): 1800 mg/m<sup>3</sup>

## • NAPHTHA (PETROLEUM), HYDROTREATED LIGHT

WEL (8 hr TWA): 250ppm

## • N-HEXANE

WEL (8 hr TWA): 72 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141).

**Hand protection:** Butyl gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Aerosol

**Colour:** Colourless

**Odour:** Light, paraffinic

**Evaporation rate:** Fast

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Insoluble

**Also soluble in:** Petroleum ether.

**Viscosity:** Non-viscous

**Viscosity value:** 0.36

**Viscosity test method:** Kinematic viscosity in 10<sup>-6</sup> m<sup>2</sup>/s at 40°C (ISO 3104/3105)

**Boiling point/range°C:** ~-40

**Flammability limits %: lower:** 1

**upper:** 9.5

**Flash point°C:** -40

**Part.coeff. n-octanol/water:** ~3.7

**Autoflammability°C:** 410

**Relative density:** 0.71

**pH:** n/a

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

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**Conditions to avoid:** Heat. Sources of ignition. Flames. Direct sunlight.

**Materials to avoid:** Strong oxidising agents.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** N,N-DIMETHYL-P-TOLUIDINE

IPR MUS LD50 212 mg/kg

- NAPHTHA (PETROLEUM), HYDROTREATED LIGHT

IHL LC50 >5 mg/l

ORL LD50 >2000 mg/kg

SKN LD50 >2000 mg/kg

- N-HEXANE

IPR RAT LDLO 9100 mg/kg

IVN MUS LDLO 831 mg/kg

ORL RAT LD50 25 gm/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Hazardous ingredients:** NAPHTHA (PETROLEUM), HYDROTREATED LIGHT

ALGAE 96H LC50 >1, <10 mg/l

BACTERIA 96H LC50 >1, <10 mg/l

DAPHNIA 96H LC50 >1, <10 mg/l

FISH 96H LC50 >1, <10 mg/l

**Mobility:** Floats on water. Highly volatile.

**Persistence and degradability:** Rapidly biodegradable. Photodegradable.

**Bioaccumulative potential:** Bioaccumulation potential.

**Other adverse effects:** Toxic to aquatic organisms.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** D1 Tipping above or underground (e.g. landfill, etc.).

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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#### 14. TRANSPORT INFORMATION



UK ROAD CLASS	2		
PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	UK ROAD PACK GR.	N/A
ADR CLASS NO.	2	ADR CLASS	Class 2: Gases
ADR PACK GROUP	N/A	TUNNEL RESTRICTION CODE	(D)
ADR LABEL NO.	2.1	CEFIC TEC(R) NO.	20G5F
RID CLASS NO.	2	RID PACK GROUP	N/A
UN NO. SEA	1950	IMDG CLASS	2.1
IMDG PACK GR.	N/A	EMS	F-D, S-U
MARINE POLLUTANT	No.	UN NO. AIR	1950
AIR CLASS	2.1	AIR PACK GR.	N/A

#### 15. REGULATORY INFORMATION

**Hazard symbols:** Extremely flammable.  
 Dangerous for the environment.  
 Irritant.



**Risk phrases:** R12: Extremely flammable.  
 R38: Irritating to skin.  
 R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S23: Do not breathe vapour.  
 S35: This material and its container must be disposed of in a safe way.  
 S51: Use only in well-ventilated areas.  
 S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

**Precautionary phrases:** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

**Note:** The naphtha (petroleum) hydrotreated, light, component of this product contains <0.1% benzene by weight, hence the classification as a carcinogen (R45) does not apply - see Note P in the Approved Supply List, which forms part of the CHIP3 Regulations. The regulatory

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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

**Other information:** This Safety Data Sheet is compiled with reference to The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3) which implement the Council Directives 67/548/EC (The Dangerous Substances Directive) and 99/45/EC (The Dangerous Preparations Directive) and subsequent amending regulations to both, and also the Safety Data Sheet Directive 91/155/EC and subsequent amending regulations.

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

**Risk phrases used in s.3:** R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R33: Danger of cumulative effects.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R12: Extremely flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R11: Highly flammable.

R38: Irritating to skin.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R62: Possible risk of impaired fertility.

**Legal disclaimer:** The information contained in this safety data sheet was obtained from a variety of sources and is believed to be accurate and current at the stated issue date. RS Components Ltd. and/or its agents cannot accept any liability for the use of information contained in this data sheet or for the use, application or processing of the product described in this data sheet. Users should note the possibility of hazards occurring due to improper uses of the product. Usage warning - If applied in excess, some discolouration can occur on uPVC surfaces, especially if applied in strong sunlight.