



TECHNICAL DATA SHEET

CONSTRUCTION CHEMICALS SPRAY CONTACT ADHESIVE **SPRAYABLE, HEAT-RESISTANT CONTACT ADHESIVE**

PRODUCT DESCRIPTION

Construction Chemicals Spray Contact Adhesive is a sprayable, high heat-resistant contact adhesive exhibiting fast solvent flash off and a long open tack time.

It demonstrates excellent adhesion to a wide range of substrates such as wood, decorative laminates, polyurethane foam, elastomers, plastics and metals.

In particular, the excellent hot bond strength of Construction Chemicals Spray Contact Adhesive makes it suitable for the post-forming of decorative laminates onto chipboard and MDF cores, using a wide range of static and continuous post-forming equipment e.g. Evans Rotork, Brandt Static, Bonding Systems. The high heat resistance of this product (up to 90 deg c) makes it ideal in most shop fitting situations.

APPLICATION

Surfaces to be bonded should be clean, dry and free from loose particles, dust and grease. Construction Chemicals Spray Contact Adhesive may be sprayed hot or cold. Hot spraying gives better atomisation, better coverage and faster solvent evaporation. In conditions of high humidity, hot spraying will prevent a 'bloom' forming on the adhesive surface, which would lead to poor bonds being made.

Construction Chemicals Spray Contact Adhesive may be sprayed through most equipment, but for best results, a Devilbiss JGV-562 gun fitted with FX fluid tip and needle, and a 777 air-cap is recommended. Atomising pressures of 70-90 psi and fluid pressures of 10-15 psi are required.

Apply an even coat of adhesive to both surfaces to be bonded. Allow a minimum of 2 minutes before mating surfaces.

Ensure intimate contact and coalescence of the adhesive films by passing the laminate through nip rollers or by platen pressing, using as much pressure as possible without crushing the components. Sustained pressure is not necessary. The high initial strength of the adhesive allows panels to be handled immediately.

SPECIAL COMMENTS

1. Construction Chemicals Spray Contact Adhesive is normally tinted red for easy observation of coverage but can be supplied in neutral or tinted in other colours on request.
2. Bonds are resistant to moisture, dilute acids and alkalis and many oils (non-aromatic types).
3. Store at temperatures above 4°C (40°F). Prolonged storage at lower temperatures may cause the formation of a 'gel' which will then necessitate re-processing.
4. Construction Chemicals Spray Contact Adhesive should only be sprayed on to polystyrene foam when adequate air is available (volume of 23 cfm and pressures of at least 70 psi) or, when hot sprayed, through recommended equipment.
5. In conditions of high humidity, a 'bloom' may form on the surface which reduces tack and coalescence. Bonds should not be made when this occurs.

The above figures do not constitute a specification. They represent typical values obtained for this product.

HEALTH AND SAFETY

Before using this product, ensure that you have been supplied with and have read carefully the following information:

- The hazard label (complying with CHIP Regulations) applied to the container
- Construction Chemicals Material Safety Data Sheet for this product

Construction Chemicals Spray Contact Adhesive is Highly Inflammable with a Flash Point below 23°C. A licence is currently required under the Petroleum (Mixtures) Order 1929.

Construction chemicals Spray Contact adhesive has a current Warrington fire certificate for use where fire proof products are specified.



TECHNICAL DATA

Base	Polychloroprene
Solids	20 ± 2%
Viscosity	150 – 250 cP at 20°C
Colour	Neutral or tinted
Tack life	2 – 45 minutes
Coverage	8 – 10m ² /litre
Cleaner	Solvent 1
Flash Point	-18°C
Shelf Life	12 months at 4 – 25°C



HEALTH & SAFETY DATA SHEET
CONSTRUCTION CHEMICALS SPRAY CONTACT ADHESIVE
Issued: 29/01/2007 Revision No: 5.

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



Product name: SPRAY CONTACT ADHESIVE
Use / description of product: Adhesive
Company name: CONSTRUCTION CHEMICALS (UK) LTD
75 Town Green Street, Rothley, Leicester LE7 7NW
Tel: 0116 230 1955

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:

- ACETONE 13.800%
EINECS: 200-662-2 CAS: 67-64-1
[F] R11; [Xi] R36; [Xi] R66; [-] R67
• TOLUENE 3.000%
EINECS: 203-625-9 CAS: 108-88-3
[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R63; [Xn] R65; [-] R67
• METHYL ETHYL KETONE 20.000%
• MIXED ALIPHATIC HYDROCARBONS 43.700%
[F] R11; [Xi] R38; [N] R51/53; [-] R67

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of harm to the unborn child. Vapours may cause drowsiness and dizziness.

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

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: Nausea and stomach pain may occur. There may be vomiting.
Inhalation: Exposure may cause coughing or wheezing. Narcotic effect.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash the affected area thoroughly with soap and water and rinse thoroughly. Seek medical help if symptoms persist.
Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Obtain medical help if there is difficulty breathing. Consult a doctor if symptoms persist.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.
Exposure hazards: Highly flammable. In combustion emits toxic fumes.
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. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.
Clean-up procedures: Absorb into dry earth or sand.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden. Avoid direct contact with the substance. Use non-sparking tools.
Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits

WEL (8 hr exposure limit):	191mg/m3
WEL (15 min exposure limit):	574mg/m3
Hazardous ingredients:	ACETONE WEL (8 hr exposure limit): 1210 mg/m3 WEL (15 min exposure limit): 3620 mg/m3 • TOLUENE WEL (8 hr exposure limit): 191 mg/m3 WEL (15 min exposure limit): 574 mg/m3 • MIXED ALIPHATIC HYDROCARBONS WEL (8 hr exposure limit): 1000mg/m3 WEL (15 min exposure limit): 1000mg/m3
Engineering measures:	Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment. If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level compressed airline breathing apparatus should be used.
exposures,	
Hand protection:	Avoid skin contact. For repeated exposure use Viton or 4H chemical gloves.
Eye protection:	Safety goggles.
Skin protection:	Wear protective work clothing sufficient to avoid skin contact. Wash hands regularly, before breaks and at the end of the working day.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Gold-brown
Odour:	Characteristic odour
Evaporation rate:	Fast
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Insoluble
Viscosity:	Non-viscous
Boiling point/range°C:	56
Flammability limits %:	lower: 0.6
upper:	13
Flash point°C:	-35
Autoflammability°C:	200
Relative density:	0.79

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Sources of ignition.
Materials to avoid:	Oxidising agents.
Haz. decomp. products:	In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients:	ACETONE IVN RAT LD50 5500 mg/kg ORL MUS LD50 3 gm/kg ORL RAT LD50 5800 mg/kg • TOLUENE IVN RAT LD50 1960 mg/kg ORL MUS LD50 2 gm/kg ORL RAT LD50 6900 mg/kg • METHYL ETHYL KETONE IPR RAT LD50 607 mg/kg ORL MUS LD50 4050 mg/kg ORL RAT LD50 2737 mg/kg • MIXED ALIPHATIC HYDROCARBONS ORL RAT LD50 >5000 mg/kg
Chronic toxicity:	Danger of serious damage to health by prolonged exposure through inhalation.

12. ECOLOGICAL INFORMATION

Mobility:	Volatile.
Persistence and degradability:	Biodegradable in part only.
Bioaccumulative potential:	No data available.

13. DISPOSAL CONSIDERATIONS

Disposal operations:	Arrange for disposal by a licenced waste disposal company
Disposal of packaging:	Arrange for disposal by a licenced waste disposal company
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 1133	ADR Class: 3
Packing group: II	Classification code: F1
Shipping name:	ADHESIVES
Labelling: 3	Hazard ID no: 33



IMDG / IMO

UN no: 1133
Packing group: II
Marine pollutant:

Class: 3
EmS: F-E, S-D
Labelling: 3

IATA / ICAO

UN no: 1133
Packing group: II
Labelling: 3

Class: 3
Packing instructions: 305(P&CA); 307(CAO)

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Harmful.
Dangerous for the environment.



Risk phrases: R11: Highly flammable.
R38: Irritating to skin.
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63: Possible risk of harm to the unborn child.
R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe vapour.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S33: Take precautionary measures against static discharges.
S36/37: Wear suitable protective clothing and gloves.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Precautionary phrases: Restricted to professional users.

Note: The regulatory 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

Risk phrases used in s.2: R11: Highly flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
R38: Irritating to skin.
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63: Possible risk of harm to the unborn child.
R65: Harmful: may cause lung damage if swallowed.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

This company shall not be held liable for any damage resulting from handling or from contact with the above product.