COSHH DATA SHEET



HS137-08-2015

Product Number: 137 Hi-Tak Spray Adhesive

Description:

Multi-purpose spray adhesive, ideal for bonding and laminating of polyurethane foam, fibre, fabrics, cardboard, hessian, fibrous materials, insulation, polythene foam etc. to themselves and to wood, stone, metal etc.

This product comprises of the following materials and therefore is supported by Health & Safety Data Sheets:

• (Appendix 22) Hi-Tak Spray Adhesive

*The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.

Issue 2 02/04/2015

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: MANUFACTURER/SUPPLIER: ADDRESS: TELEPHONE/FAX/EMAIL: EMERGENCY PHONE NUMBER: Hi-Tak Spray Adhesive 500ml Envirograf Envirograf House, Barfrestone, Dover, Kent, CT15 7JG 01304 842555 01304 842666 sales@envirograf.com 01304 842555 (Monday to Friday 8.30 – 5.30)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification (1999/45/EEC) Carc. Cat. 3;R40. F+;R12

Human health:

Limited evidence of a carcinogenic effect. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

Environment:

Not regarded as an environmental hazard under current legislation.

Physical and Chemical Hazards:

Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

Label elements:

Contains DICHLOROMETHANE

Labelling

	Harmful	Extremely Flammable
Risk Phrases	- 10	
	R12	Extremely flammable
	R40	Limited evidence of carcinogenic effect
Safety Phrases		
-	A1	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
	A2	Do not spray on a naked flame or any incandescent material
	S2	Keep out of the reach of children.
	S9	Keep container in a well-ventilated place
	S16	Keep away from sources of ignition – No Smoking
	S23	Do not breathe vapour / spray
	S36 / 37	Wear suitable protective clothing and gloves
	S38	In case of insufficient ventilation, wear suitable respiratory equipment
	S60	This material and its container must be disposed of as hazardous waste.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

	CAS-No.	EC No.	Class. (EC 1272/2008)	Class. (EC67/548/EEC)
DICHLOROMETHANE	75-09-2	200-839-9	Carc. 2 – H351	Carc. Cat 3;R40
PROPANE	74-98-6	200-827-9	Flam. Gas 1 – H220	F+;R12
BUTANE/ISOBUTANE	106-97-8	-	Not Classified	F+;R12
HEXANE MIXTURE OF ISOMERS	-	-	Flam. Liq. 2 – H225	F;R11
(MAX 5% n-HEXANE (203-777-6))			Skin Irrit. 2 – H315	Xn;R65
			STOT SE 3 – H336	Xi;R38
			Asp. Tox. 1 – H304	R67
			Aquatic Chro. 2 - H411	N;R51/53

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

4. FIRST AID MEASURES

Description of first aid measures

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General information:	Move the exposed person to fresh air at once
Inhalation:	Move the exposed person to fresh air at once. Perform artificial respiration if
	breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention
Ingestion:	Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately
Skin contact:	Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing is soaked through and was as before.
Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse
	for at least 15 minutes and get medical attention.
	·
Most important symptoms	s and effects, both acute and delayed
General Information:	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems
Inhalation:	Prolonged inhalation of high concentrations may damage respiratory system. In case
	of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness & death
Ingestion:	Fumes from the stomach contents may be inhaled resulting in the same symptoms as inhalation
Skin contact:	Acts as a defatting agent on skin. Prolonged contact may cause redness, irritation and dry skin.
Eye contact:	Irritation of eyes and mucous membranes.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Hazardous combustion products: Unusual Fire & Explosion hazards: Specific hazards:	Water Spray, for or mist. Carbon dioxide (CO2). Foam Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours Forms explosive mixtures with air. Extremely flammable. May explode in a fire. May travel considerable distance to source of ignition and flash back Aerosol containers can explode when heated, due to excessive pressure build-up
Advice for firefighters:	Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Use water spray to reduce vapours. If leak or spill has not ignited, use water spray to disperse vapour and
Protective equipment for firefighters:	protect men stopping the leak. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Wear protective clothing as described in Section 8

Collect and dispose of spillage as indicated in section 13

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to enter sewers. Absorb in vermiculite, dry sand or earth and place into containers. Use sealed containers for reclamation or dispose of at a licensed hazardous waste collection points. Avoid contact with water.

For personal protection see section 8. For waste disposal see section 13

7. HANDLING AND STORAGE

Precautions for safe handling:	Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations.
Conditions for safe storage:	keep away from heat, sparks and open flame. Aerosol cans must not be exposed to direct sunlight or temperatures above 50°C store at moderate temperatures in dry, well ventilated area
0	
Storage class:	Extremely Flammable Aerosol

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	STD	TWA – 8 hrs	STEL – 15 min
BUTANE / ISOBUTANE	OES	600 ppm	750 ppm
DICHLOROMETHANE	WEL	100 ppm (Sk) 350mg/m3(Sk)	300 ppm 1060mg/m3(Sk)
PROPANE		Asphyxiating	Asphyxiating

WEL = Workplace Exposure Limit

Protective Equipment	
Process Conditions:	Ensure suitable ventilation of area. Use engineering controls to reduce air contamination to permissible exposure level
Engineering measures:	Provide adequate ventilation.
Respiratory equipment:	Respiration equipment only required if ventilation is inadequate
Hand protection:	Protective gloves should be used if there is a risk of direct contact or splash. The most suitable glove must be chosen in consultation with the glove supplier who can inform about the breakthrough time of the glove material
Eye protection:	Wear splash-proof eye goggles to prevent any possibility of eye contact. Provide eyewash station
Hygiene measures:	Eating, smoking and water fountains prohibited in immediate work area. Wash promptly if skin becomes contaminated
Personal protection:	Wear protective work clothing
Skin protection:	Wear suitable gloves if prolonged or repeated skin contact is likely

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colour:	Aerosol container containing a mixture of active ingredients, solvents and propellants Amber
Odour:	Characteristic, Chlorinated hydrocarbons
Solubility:	Insoluble in water
Comments	A flash point method is not available for aerosols but the major hazardous component, the
	Propellant has flash point of <-40°C with flammability limits of 9.5% vol. upper and 1.8% vol.
	lower. Auto ignition temperature is 410 / 580°C
Other information	

Other information: Not available

10. STABILITY AND REACTIVITY

Reactivity:	No specific reactivity hazards associated with this product
Chemical Stability:	Highly volatile
Possibility of hazardous reactions:	No known hazardous reactions if stored under normal conditions
Hazardous polymerization:	Will not polymerize
Conditions to avoid:	Heat, flames and other sources of ignition
Materials to avoid:	Aluminium. Caution – can dissolve plastic and rubber materials
Hazardous decomposition materials:	In combustion emits toxic fumes

11. TOXICOLOGICAL INFORMATION

General Information:

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems

Inhalation:

Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness. High exposures may cause an abnormal heart rhythm and prove suddenly fatal. Very high atmospheric concentrations may cause anaesthetic effects and asphyxiation

Ingestion: Ingestion may cause similar symptoms to that of inhalation

Skin contact: Contains components which may penetrate the skin. Harmful: danger of serious damage to health by prolonged exposure in contact with skin

Eye contact: Extreme irritation of eyes and mucous membranes, including burning and tearing

Health Warnings: Prolonged inhalation of high concentrations may damage respiratory system. Acts as a defatting agent on skin. May cause cracking of skin and eczema

Route of entry: Inhalation, Skin absorption

Target Organs: Central nervous system. Respiratory system, lungs. Liver Medical symptoms: Narcotic effect. Drowsiness. Dizziness.

Toxicological information on ingredients:

DICHLOROMETHANE (CAS: 75-09-2)

Toxic Dose 1 - LD 50 4770 mg/kg (oral mouse). Toxic dose 2 - LD 50 5350 mg/kg (oral rat)

12. ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not expected to be hazardous to the environment
Toxicity:	Not regarded as dangerous for the environment
Persistence & degradability:	No data available. Degradability of the products has not been stated
Bioaccumulative potential:	Dichloromethane has low bioaccumulative potential
Mobility:	The product is volatile, insoluble with water and is heavier than water
PBT & vPvB assessment:	Not determined
Other adverse effects:	-

13. DISPOSAL CONSIDERATIONS

Do not puncture or incinerate even when empty. Ensure containers are empty before discarding (explosion risk). Dispose of waste and residues in accordance with local authority requirements.

Waste class:

Full or Partially Empty Aerosol: 16 05 04. Empty Aerosol: 15 01 10 (Containing hazardous residues). Empty Aerosol: 15 01 04 (No hazardous residues)

14. TRANSPORT INFORMATION

General: This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow the transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing they are labelled in accordance with the requirements of those regulations to show that they are transported as Limited Quantities. Aerosols not so packed must show the following.

UN No. (ADR/RID/ADN): Proper shipping name: ADR/RID/ADN Class ADR/RID/ADN Class ADR label No.: IMDG Class ICAO Class/Division Transport labels	1950 AEROSOLS 2., 5F Class 2.1: Flammable gases 2.1 2.1 2.1	
	FLAMMABLE GAS 2	
ADR/RID/ADN Packing group IMDG Packing group ICAO Packing group	# # #	
Environmentally Hazardous Substance/Marine Pollutant: No		

EMS: F-D, S-U Tunnel Restriction Code: (D/E)

15. REGULATORY INFORMATION

UK Regulatory References:

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2000 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Statutory Instruments

Control of Substances Hazardous to Health

Approved Code of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

EU Legislation

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 (EC) 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 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.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002, No. 1689. Health and Safety at Work Act (As Amended) 1974 The Carriage of Dangerous Goods and use of Transportable Pressure Equipment Regulations 2007 (CDG 2007). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). The Aerosol Dispensers Regulations 2009 (SI 2824) 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 (EC) 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 and 2000/21/EC, including amendments. The Aerosol Dispensers (EEC Requirements) (Amendment) Regulations 1996 (S.I 1996 No. 2421).

Chemical safety assessment: No chemical safety assessment has been carried out.

16. OTHER INFORMATION

Risk Phrases in Full:

- R12 Extremely flammable
- R65 Harmful: may cause lung damage if swallowed
- R11 Highly flammable
- R38 Irritation to skin
- R40 Limited evidence of a carcinogenic effect
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- R67 Vapours may cause drowsiness and dizziness

Hazard Statements in Full:

- H315 Causes skin irritation
- H222 Extremely flammable aerosol
- H220 Extremely flammable gas
- H225 Highly flammable liquid and vapour
- H304 May be fatal if swallowed and enters airways
- H336 May cause drowsiness or dizziness
- H351 Suspected of causing cancer
- H411 Toxic to aquatic life with long lasting effects

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.