

**SAFETY DATA SHEET****BLUE ARAN TUFFCAB ADHESIVE AEROSOL 500ml****SECTION 1; IDENTIFICATION OF THE SUBSTANCES/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Product name	Tuff Cab Heavy Duty Spray Glue Adhesive
Product No.	TUFFSPRGL

**1.2. Relevant identified uses of the substances or mixture and uses advised against**

Identified uses	Spray adhesive
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**1.3. Details of the supplier of the data sheet**

Supplier	Blue Aran Ltd
	Unit 1 Orion Business Centre
	Wide Lane
	Southampton
	SO18 2HJ
	United Kingdom

**1.4. Emergency telephone number**

+44 (0) 23 8063 4120  
Mon – Fri 0930-1700

**SECTION 2; HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Classification (EC 1272/2008)	Physical and chemical hazards	Extremely Flam. Aerosol - H222
	Human health	Carc.2 – H351 Skin. Irrit. 2 – H315 Eye Irrit. 2 – H319 STOT SE 3 – H336
	Environment	Not Classified

**2.2 Label Elements**

Contains DICHLOROMETHANE  
Label in Accordance with (EC) No. 1272/2008



**Signal word** Danger

**Hazard statements**

H222	Extremely flammable aerosol.
H229	Pressurized container: may burst if heated
H351	Suspected of causing cancer
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness

**Precautionary Statements**

P102	Keep out of reach of children
P210	Keep away from heat/sparks/open flames/hot surfaces – No Smoking.
P251	Pressurized container: Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P281	Use personal protective equipment as required.
P501	Dispose of contents/container in accordance with Local Regulations.

**Supplementary precautionary statements**

P273	Avoid release to the environment.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.
P308+313	If exposed or concerned: Get medical advice/attention

**Supplement label information****2.3. Other hazards**

Pressurised 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 naked flame or any incandescent material –  
NO SMOKING.

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

DICHLOROMETHANE	10-30%
CAS-No.: 75-09-2	EC No.: 200-838-9
Classification (EC 1272/2008) Carc.Cat 2 – H351 Skin Irrit Cat 2 – H315 Eye Irrit Cat 2 – H319 STOT SE Cat 3 – H336	

  

PETROLEUM GASES LIQUIFIED	30-40%
CAS- No.: 68476-85-7	EC No.: 270-704-2
Classification (EC 1272/2008) Flam. Gas 1- H220	

The full text for all R-Phrases and hazard statements are displayed in Section 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures****General information**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Inhalation**

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

**Ingestion**

DO NOT induce vomiting. Get medical attention immediately

**Skin contact**

Wash the skin immediately with soap and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if any discomfort continues.

**Eye Contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

The most important known symptoms and effects are described in the labelling section 2.2, and/or in section 11.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

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

Fire can be extinguished using: foam; carbon dioxide; dry powder

**5.2 Special hazards arising from the substance or mixture****Unusual fire & Explosion hazards**

Canisters may explode in fire.

Toxic gases/vapours/fumes of: Carbon Dioxide (CO<sub>2</sub>). Carbon Monoxide (CO)

**5.3 Advice for firefighters**

Wear self contained breathing apparatus.

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

Avoid skin and eye contact. Ensure adequate ventilation. Avoid breathing vapours, mist or gas. Wear personal protective equipment (see section 8).

**6.2 Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environment Agency or other regulatory body. Do not discharge into drains or watercourses or onto the ground.

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

Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb in vermiculite, dry sand or earth, and place into containers.

**6.4 Reference to other sections**

Wear protective clothing as described in section 8 of this safety data sheet. For waste disposal see 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**

Must not be exposed to direct sunlight or temperatures above 50°C.

**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
DICHLOROMETHANE	WEL	100	353	200	706	IRELAND

		ppm(Sk)	mg/m3(Sk)	ppm (Sk)	mg/m3 (Sk)	TWA:50ppm TWA:174 mg/m3 STEL:150ppm STEL:552 mg/m3
PETROLEUM GASES LIQUIFIED	WEL	1000 ppm (Sk)	1250 mg/m3(Sk)	1250 ppm(Sk)	2180 mg/m3(Sk)	IRELAND TWA:500ppm TWA:625mg/m3 STEL:625ppm STEL:1090mg/m3

WEL = Workplace exposure limit.

Ingredient comments

## 8.2 Exposure controls

### Protective equipment



### Appropriate engineering controls

Observe any occupational exposure limits for the product or ingredients. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

### Eye/face protection

Chemical splash goggles or face shield. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

### Hand protection

Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Nitrile rubber.

### Other skin and body protection

Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Wear protective clothing.

### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

### 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. Promptly remove any clothing that 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

(a) Appearance

Canister/Aerosol.

(b) Odour

Chlorinated Hydrocarbon

(c) Odour Threshold	No data available
(d) pH	No data available
(e) Melting point/freezing point	No data available
(f) Initial boiling point and boiling range	40 (°C)
(g) Flash point	Estimated at -35°C
(h) Evaporation point	No data available
(i) Flammability (solid gas)	No data available
(j) Upper/lower flammability Or explosive limits	No data available
(k) Vapour pressure	No data available
(l) Vapour density	No data available
(m) Relative density	No data available
(n) Water solubility	Slightly soluble in water; soluble in chlorinated hydrocarbons
(o) Partition coefficient n-octanol/water	No data available
(p) Auto-ignition temperature	No data available
(q) Decomposition temperature	No data available
(r) Viscosity	No data available
(s) Explosive properties	No data available
(t) Oxidising properties	No data available.
<b>9.2. Other information</b>	Can pressure 70psi.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 Reactivity**

No data available.

### **10.2 Chemical stability**

Avoid heat, sparks, and flames, stable under normal conditions.

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

No data available.

### **10.4 Conditions to avoid**

Avoid heat, flames and other sources or ignition. Avoid contact with: Strong oxidising agents, Strong alkalis and Strong mineral acids.

### **10.5 Incompatible materials**

Materials to avoid

Strong acids, strong oxidising substances and strong alkalis.

### **10.6 Hazardous decomposition products**

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO); Carbon Dioxide (CO<sub>2</sub>); Phosgene (COCl<sub>2</sub>); Hydrogen Chloride (HCl). Slow hydrolysis with water forms hydrochloric acid.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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

**Acute Toxicity**

LD<sub>50</sub> Oral – Rat - >2,000 mg/kg

**Inhalation**

LD<sub>50</sub> Inhalation – Rat – 52,000 mg/m<sup>3</sup>

**Skin contact**

Skin – Rabbit

Result: Irritating to skin – 24 hr

(Draize Test)

**Eye contact**

Eyes – Rabbit

Result: Irritating to eyes – 24 hr

(Draize Test)

**Carcinogenicity**

Carcinogenicity – Rat – Inhalation

Tumorigenic: Carcinogenic by RTECS criteria. Endocrine: Tumours

Limited evidence of carcinogenicity in animal studies.

Suspected human carcinogens

IARC: 2B – Group 2B: Possible carcinogenic to humans (Methylene Chloride)

**Specific Target Organ Toxicity – Single Exposure**

May cause respiratory irritation.

May cause drowsiness or dizziness

**Aspiration Hazard**

No data available.

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

Not regarded as dangerous to the environment. However, contamination of the aquatic or terrestrial environments should be avoided

**12.1 Toxicity**

Toxicity to fish	LC <sub>50</sub> – Pimphales promelas (fathead minnow) – 193.00 mg/l – 96 hr
	NOEC – Cyprindon variegatus (sheepshead minnow) – 130 mg/l – 96 hr
Toxicity to daphnia and other	
Aquatic invertebrates:	EC <sub>50</sub> – Daphnia magna (Water flea) – 27 mg/l – 48 hr

**12.2 Persistence and degradability**

Biodegradability result <26% - Not readily biodegradeable

**12.3 Bio accumulative potential**

Does not bioaccumulate

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB Assessment**

Contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6 Other adverse effects**

No data available

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

## **Section 14. Transport information**

### **14.1 UN Number**

UN No (ADR/RID/ADN)	1950
UN No (IMDG)	1950
UN NO (ICAO)	1950

### **14.2 UN Proper Shipping Name**

ADR/IMDG/AND/RID	AEROSOLS
IATA	Aerosols Flammable

### **14.3 Transport Hazard Class(es)**

ADR/RID/ADN Class	2.1
ADR/RID/ADN Class	Class 2: Gases
ADR Label No	2.1 & 6.1
IATA	2.1
IMDG Class	2.1
ICAO Class/Division	2.1
ICAO Subsidiary Risk	6.1
ICAO TEC* No	20GSF
Air Class	2.1
UK Road Class	2.1
Transport Labels	L.Q.



### **14.4 Packing Group**

Not Applicable

### **14.5 Environmental Hazards**

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

### **14.6 Special Precautions for user**

#### **Overland Transport**

Classification Code (ADR):	5F
Special Provisions (ADR):	190,327,344,625
Limited Quantities (ADR):	1I
Excepted Quantities (ADR):	E0
Packing Instructions (ADR):	P207,LP02
Special Packing provisions (ADR):	PP87, RR6, L2
Mixed Packing provisions (ADR):	MP9



Transport Strategy (ADR):	2
Special provisions for carriage – Packages (ADT)	V14
Special Provisions for carriage – Loading, unloading and handling (ADR):	CV9, CV12
Special provisions for carriage – Operation (ADR):	S2
Tunnel Restriction Code:	D
<u>Transport by Sea</u>	
Special Provisions (IMDG):	63,190,277,327,344,959
Limited Quantities (IMDG):	SP277
Excepted Quantities (IMDG):	E0
Packing Instructions (IMDG):	P207,LP02
Special Packing provisions (IMDG):	PP87,L2
EmS-No (Fire):	F-D
EmS-No (Spillage):	S-U
Stowage category (IMDG):	None
Stowage and Handling (IMDG):	SW1,SW22
Segregation (IMDG):	SG69
MFAG-No:	126
<u>Air Transport</u>	
PCA Excepted Quantities (IATA):	E0
PCA Limited Quantities (IATA):	Y203
PCA Limited Quantity max net quantity (IATA):	30KgG
PCA Packing instructions (IATA):	203
PCA max net quantity (IATA):	75Kg
CAO packing instructions (IATA):	203(6.1 subsidiary risk must be considered as Packing Group II)
CAO max net quantity (IATA):	150Kg
Special provisions (IATA):	A145,A167,A802
ERG Code (IATA):	10L
<u>Inland Waterway Transport</u>	
Classification Code (ADN):	5F
Special Provisions (ADN):	190,327,344,625
Limited Quantities (ADN):	1 L
Excepted Quantities (ADN):	E0
Equipment required (ADN):	PP,EX,A
Ventilation (ADN):	VE01,VE04
Number of blue cones/lights (ADN):	1
<u>Rail Transport</u>	
Classification Code (RID):	5F
Special Provisions (RID):	190,327,344,625
Limited Quantities (RID):	1L
Excepted Quantities (RID):	E0
Packing Instructions (RID):	P207,LP02
Special Packing provisions (RID):	PP87,RR6,L2
Mixed Packing provisions (RID):	MP9
Transport Category (RID):	2
Special Provisions for carriage – Packages (RID):	W14
Special Provisions for carriage – Loading, unloading and handling (RID):	CW9, CW12
Colis Express (express parcels) (RID):	CE2
Hazard Identification No (RID):	23

#### **14.7 Transport in bulk according to Annex II of MARPOL and the IBC code**

Not applicable

**Section 15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Labelling according to Regulation (EC) No 1272/2008

The chemicals (Hazard information and packaging for supply) regulations 2009 (S.I 2009 No. 716). Control of substances hazardous to health.

Approved code of practice.

Guidance notes

Workplace exposure limits EH40.

**15.1.1 EU-Regulations**

Contains no REACH substances with Annex XVII restrictions.

Contains no REACH Annex XIV substances.

**15.1.2 National Regulations**

No additional information available.

**SECTION 16: OTHER INFORMATION****General information**

This product should be used as directed. For further information consult the product data sheet or contact technical services.

**Information sources**

This safety data sheet was compiled using current safety information supplied by distributor raw materials.

**Revision comments**

This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Blue Aran Ltd.

**Hazard statements in full**

H220	Extremely flammable gas
H222	Extremely flammable aerosol.
H351	Suspected of causing cancer
H315	Causes skin irritation.
H310	Causes serious eye irritation.
H336	May cause drowsiness or dizziness

**Abbreviations**

Carc 2	Carcinogen Category 2
Skin Irrit 2	Skin Irritant Category 2
Eye Irritant 2	Eye Irritant Category 2
STOT SE 3	Specific Target Organ Toxicity Single Exposure Category 3
Carc Cat 3	Carcinogen Category 3
Flam Gas 1	Flammable Gas Category 1

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Due to different materials used, as well as to varying working conditions, production techniques, and the requirements of the end users, all of which are beyond our control, we strongly recommend that thorough and extensive trials are carried out in order to test the suitability of our products with regard to the required processes and applications. This should also include an ageing test which should be applied to all substrates used.

It is also the responsibility of the purchaser and end user of this product to ensure that all appropriate actions necessary for the protection of the environment, and for the health and safety of their employees are observed.

This datasheet replaces all former versions