SAFETY DATA SHEET

TRIMFIX ADHESIVE AEROSOL 500ml

SECTION 1; IDENTIFICATION OF THE SUBSTANCES/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	TRIMFIX HIGH TEMPERATURE ADHESIVE
Product No.	AER023

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

Identified uses	Spray adhesive

1.3. Details of the supplier of the data sheet

Supplier	Peter Cook International Unit 2, Aneal Business Centre Cross Green Approach Cross Green Ind Estate Leeds LS9 0SG

1.4. Emergency telephone number

+44 (0) 113 235 1111
Mon – Fri 0830 – 1630

SECTION 2; HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)	Physical and chemical hazards	Extremely Flam. Aerosol - H222;H229
	Human health	Carc.2 – H351
		Skin. Irrit. 2 – H315
		Eye Irrit. 2 – H319
		STOT SE 3 – H336
	Environment	Not Classified

The full text for all Hazard statements are displayed in Section 16.

2.2 Label Elements

Contains DICHLOROMETHANE
METHYL ETHYL KETONE

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

Signal word Danger

Hazard statements

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

Precautionary Statements

P102	Keep out of reach of children
P210	Keep away from heat, hot surfaces, sparks, flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/ face protection.

Supplementary precautionary statements

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
P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container in accordance with Local Regulations.

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

3.1 Substances

Not applicable

3.2 Mixtures

PETROLEUM GASES LIQUIFIED CAS- No.: 68476-85-7 EC No.: 270-704-2	30-50%
Classification (EC 1272/2008) Flam. Gas 1- H220	

DICHLOROMETHANE CAS-No.: 75-09-2 EC No.: 200-838-9	30-60%
Classification (EC 1272/2008) Carc.Cat 2 – H351 Skin Irrit Cat 2 – H315 Eye Irrit Cat 2 – H319 STOT SE Cat 3 – H336	

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

Treat symptomatically.

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_2). 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 ppm(Sk)	353 mg/m3(Sk)	200 ppm (Sk)	706 mg/m3 (Sk)	IRELAND 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.

Derived No Effect Level (DNEL).

Methylene Chloride (75-09-2)

Type	Exposure Route	Derived No effect Level	Safety Factor
Worker Short Term Systemic health effects	Inhalation	706 mg/kg bw/d	
Worker Long Term Systemic Health effects	Dermal	4750 mg/m³	
Worker Long Term Systemic health effects	Inhalation	353 mg/m³	

Methylene Chloride (75-09-2)

Type	Exposure Route	Derived No effect Level	Safety Factor
Consumer Short Term Systemic health effects	Inhalation	353 mg/m³	
Consumer Long Term Systemic health effects	Dermal	2395 mg/kg bw/d	
Consumer Long Term Systemic health effects	Oral	0.06 mg/kg bw/d	
Consumer Long Term Systemic health effects	Inhalation	88.3 /m³	

Predicted No effect Concentration (PNEC)

Methylene Chloride (75-09-2)

Environmental Compartment	Predicted No effect Concentration (PNEC)
Freshwater	0.54 mg/l
Freshwater - intermittent	4.47 mg/l
Marine water	0.194 mg/l
Marine sediment	1.61 mg/l
Soil	0.583mg/kg dry weight

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) Physical State	Liquid
(b) Appearance	Canister/Aerosol.
(c) Colour	Amber/Clear
(d) Odour	Chlorinated hydrocarbon
(e) Odour Threshold	No data available
(f) Melting point/freezing point	No data available
(g) Initial boiling point and boiling range	Not applicable - aerosol
(h) Flammability	
Or explosive limits	No data available
(j) Flash Point	Not applicable – aerosol
(k) Auto-ignition temperature	No data available
(l) Decomposition temperature	Not applicable – insoluble in water
(m) pH as gaseous solution	No data available
(n) Kinematic Viscosity	No data available
(o) Dynamic Viscosity	No data available
(p) Water solubility	No data available

(q) Solubilities	No data available
(r) Partition coefficient	No data available
(s) Vapour pressure	No data available
(t) Relative density	1.2 (Adhesive only)
(u) Relative Vapour Density	No data available
(v) Particle characteristics	
Particle Size	No data available
Particle size distribution	No data available

9.2 Other information

No data available

9.2.1 Information with regards to physical hazards classes

Not applicable

9.2.2 Other safety characteristics

No data available

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_2); Phosgene ($COCl_2$); Hydrogen Chloride (HCl). Slow hydrolysis with water forms hydrochloric acid.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Methylene Chloride (75-09-2)

Acute toxicity

LD50 Oral - Rat - male and female - > 2,000 mg/kg

(OECD Test Guideline 401)

LC50 Inhalation - Mouse - 4 h - 86 mg/l - vapor

Remarks: (ECHA)

Symptoms: Possible damages:, mucosal irritations

LD50 Dermal - Rat - male and female - > 2,000 mg/kg

(OECD Test Guideline 402)

Skin corrosion/irritation

Skin - Rabbit

Result: Irritations - 4 h

(OECD Test Guideline 404)

Remarks: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Serious eye damage/eye irritation

Eyes - Rabbit
Result: Eye irritation
Remarks: (ECHA)
Remarks: Risk of corneal clouding.

Respiratory or skin sensitization

Local lymph node assay (LLNA) – Mouse
Result: negative
(OECD Test Guideline 429)

Germ cell mutagenicity

Test Type: Mutagenicity (mammal cell test): chromosome aberration.
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: positive
Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: positive
Test Type: In vivo micronucleus test
Species: Mouse
Cell type: Bone marrow
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative

Carcinogenicity

Limited evidence of carcinogenicity in animal studies
Suspected human carcinogens

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

Inhalation - May cause drowsiness or dizziness. - Central nervous system

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

11.2 Additional Information

Endocrine disrupting properties

Methylene Chloride (75-09-2)

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Repeated dose toxicity - Rat - male and female - Oral - 104 Weeks - NOAEL (No observed adverse effect level) - 6 mg/kg Repeated dose toxicity - Rat - male and female – Inhalation 104 Weeks RTECS: PA8050000 Dizziness, Nausea, Vomiting, narcosis, Cough, irritant effects, Unconsciousness, Shortness of breath, respiratory paralysis, somnolence, depressed respiration, CNS disorders, inebriation' Risk of corneal clouding. The following applies to aliphatic halogenated hydrocarbons in general: systemic effect: narcosis, cardiovascular disorders. Toxic effect on liver, kidneys. Dichloromethane is metabolized in the body

producing carbon monoxide which increases and sustains carboxyhaemoglobin levels in the blood, reducing the oxygen-carrying capacity of the blood.

`` To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity

Methylene Chloride

Toxicity to fish flow-through test LC50	- Pimephales promelas (fathead minnow) - 193.00 mg/l - 96 h
Remarks: (ECHA)	
Toxicity to daphnia and other aquatic invertebrates static test LC50 (US-EPA)	Daphnia magna (Water flea) - 27 mg/l - 48 h
Toxicity to bacteria static test EC50 – (OECD Test Guideline 209)	Activated sludge 2,590 mg/l - 40 min
Toxicity to fish(Chronic toxicity) flow-through test LC50	Pimephales promelas (fathead minnow) - 471 mg/l - 8 d
Remarks: (ECHA	

12.2 Persistence and degradability

Methylene Chloride	aerobic - Exposure time 28 d Result: 68 % - Readily biodegradable. (OECD Test Guideline 301D)
Methyl ethyl Ketone	Biodegradability aerobic - Exposure time 28 d Result: 98 % - Readily biodegradable. (OECD Test Guideline 301D) Theoretical oxygen demand# 2,440 mg/g Remarks: (Lit.) Ratio BOD/ThBOD 76 % Remarks: (IUCLID)

12.3 Bio accumulative potential

Methylene Chloride	Cyprinus carpio (Carp) - 6 Weeks - 250 µg/l(Dichloromethane) Bioconcentration factor (BCF): 2 - 5.4 (OECD Test Guideline 305) Cyprinus carpio (Carp) - 6 Weeks - 25 µg/l(Dichloromethane) Bioconcentration factor (BCF): 6 - 40 (OECD Test Guideline 305)

12.4 Mobility in soil

Methylene Chloride	No data available
Methyl ethyl Ketone	No data available

12.5 Results of PBT and vPvB Assessment

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission. Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

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):	1l
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

Transport by Sea

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

Air Transport

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
CAO max net quantity (IATA):	150Kg
Special provisions (IATA):	A145,A167,A802
ERG Code (IATA):	10L

Inland Waterway Transport

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

Rail Transport

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. Any amendments have been highlighted in grey.

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 Peter Cook International.

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

ISSUE: REV 5.0

LAST REVIEWED : JANUARY 2023