


Quality Assurance	Title: 0590SPRAYART2	
Effective Date: 28/11/17	Prepared By : Mike Lee	
Issue Number: 4	Authorised By: Robin Lamb	

SAFETY DATA SHEET

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

1.1. Product identifier:

Product name: Ultra Aerosol Adhesive 200ml

Product No.0590SPRAYART2

1.2. Relevant identified uses of the substance or mixture and uses advised against: No smoking

1.3. Details of the supplier of the safety data sheet:

Bruce Douglas Marketing Ltd

Ultratape House

Kilspindie Road

Dunsinane Industrial Estate

Dundee DD2 3LP

+44 1382 832999

sales@ultratape.com

1.4. Emergency telephone number:

+44 1382 832999 (office hours)

SECTION 2; HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards

Human health

Environment

Flammable Aerosol 1- H222

Eye Irrit. 2 – H319; STOT SE 3 – H336;

Skin Irrit 2 – H315


Aquat Chron 2 H411

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

2.2 Label Elements

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



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Signal word Danger

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurized container; may burst if heated
H315	Causes skin irritation
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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.
P280	Wear protective gloves/protective clothing/ eye protection/ Face protection.
P308+313	If exposed or concerned: Get medical advice/attention
P501	Dispose of contents/container in accordance with local Regulations.

Supplementary precautionary statements


P261	Avoid breathing vapour/spray.
P273	Avoid release to the environment.
P264	Wash contaminated skin thoroughly after handling.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in Position comfortable for breathing.
P302+352	IF ON SKIN: Wash with plenty of water.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.
P337+313	If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a POISON CENTRE or Doctor/physician
P410+412	Protect from sunlight. Do not expose to temperatures Exceeding 50°C/122°F.

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

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3.2 Mixtures

ACETONE		5-25 %
CAS-No.: 67-64-1	EC No.: 200-662-2	Registration number: 01-2119471330-49
Classification (EC 1272/2008)		
Flam. Liq. 2; H225		
Acute Tox 4; H312		
Eye Irrit 2; H319		
STOT SE 3; H336		
PETROLEUM GASES LIQUIFIED		20-40 %
CAS- No.: 68476-85-7	EC No.: 270-704-2	
Classification (EC 1272/2008)		
Flam. Gas 1 – H220		
HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% n- HEXANE		5-25 %
CAS-No.:	EC No.: 921-024-6	Registration number 2119475514-35
Classification (EC 1272/2008)		
Flam Liq 2 – H225		
Skin Irrit 2 – H315		
Asp Tox 1 – H304		
STOT SE – H336		
Aquat Chron 2 – H411		
HEXANE - NORM		5-25 %
CAS No: 110-54-3	EC No: 203-777-6	
Classification (EC 1272/2008)		
Flam. Liq 2 - H225		
Skin Irritation 2 - H315		
Repr Tox 2 - H361f		
STOT SE 3 - Central nervous system, H336		
STOT RE 3 – H373		
Asp Haz 1 - H304		
Aqua t Chron 2 - H411		

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. Rinse mouth with water. Get prompt medical attention.

Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye Contact

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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

Aerosol cans may explode in fire.

5.3 Advice for firefighters

Wear self contained breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours. Ensure adequate ventilation. Remove all sources of ignition.

Evacuate personnel to a safe area. Beware of vapours accumulating in low areas.

6.2 Environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.

Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

6.4 Reference to other sections

Wear protective clothing as described in section 8 of this safety data sheet.

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

Aerosol cans: 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

	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m ³	1500 ppm	3620 mg/m ³	UK EH40 WEL

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PETROLEUM GASES LIQUIFIED	WEL	1000 ppm	1250 mg/m ³	1250 ppm	2180 mg/m ³	UK EH40 WEL
HEXANE	WEL	20ppm	72 mg/m ³	60ppm	216 mg/m ³	UK EH40 WEL

WEL = Workplace exposure limit.

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

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- (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.
- 9.2. Other information
- Can pressure 70psi.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Avoid heat, flames and other sources or ignition.

10.5 Incompatible materials

Materials to avoid


Strong acids, strong oxidising substances and strong alkalis.

10.6 Hazardous decomposition products

No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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ACETONE

Acute Toxicity

LD50 Oral Rat - 5,800 mg/kg
LC50 Inhalation Rat – 8 h – 50,100 mg/m³
LD50 Dermal Guinea Pig – 7,426 mg/kg
Skin Corrosion/Irritation
Skin Rabbit – Mild skin irritation – 24 h
Serious Eye damage/irritation
Eyes Rabbit – Eye irritation 24 h
Respiratory or skin sensitisation
Guinea Pig – None recorded

Carcinogenicity

This product is or contains a component that is not classified as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% n- HEXANE

Acute Toxicity

Not classified as acutely toxic
Skin Corrosion/Irritation
LD50 Rat - >2,920,mg/kg
Serious Eye damage/irritation
No data available
Respiratory or skin sensitisation
LC50 Rat - >25.2mg/kg

Carcinogenicity

No component of this product present at greater levels than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

HEXANE-NORM

Acute Toxicity

LD50 Oral Rat – 25,000 mg/kg
LC50 Inhalation Rat – 8 h – 48,000 mg/m³
Skin Corrosion/Irritation
Irritating to skin
Serious Eye damage/irritation
Eyes Rabbit – Mild eye irritation
Respiratory or skin sensitisation
No data available


Carcinogenicity

No component of this product present at greater levels than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals. Suspected human reproductive toxicant – suspected of damaging fertility.

Additional Information

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RTECS: MN9275000

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1 Toxicity

ACETONE

Toxicity to fish	LC50 – Oncorhynchus mykiss (rainbow trout) – 5,540 mg/l – 96 h
Toxicity to daphnia and	
Other aquatic vertebrates	LC50 – Daphnia magna (water flea) – 8,800 mg/l – 48 h
Toxicity to algae	No data available

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% n- HEXANE

Toxicity to fish	LL50 – Oncorhynchus mykiss (rainbow trout) – 11.4 mg/l – 96 h
Toxicity to daphnia and	
Other aquatic vertebrates	LC50 – Daphnia magna (water flea) – 3 mg/l – 48 h
Toxicity to algae	No data available

HEXANE-NORM

Toxicity to fish	LC50 – Pimephates promelas (fathead minnow) – 2.5 mg/l – 96 h
Toxicity to daphnia and	
Other aquatic vertebrates	LC50 – Daphnia magna (water flea) – 3,878 mg/l – 48 h
Toxicity to algae	EC50 – Chlorella vulgaris (fresh water algae) -, 12,840 mg/l 3 h EC50 – SKELETOMA – 0.30 mg/l – 8 h

12.2 Persistence and degradability

Acetone

Result: 91% - readily biodegradable (OECD Test Guideline 301B)

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

No data available

Hexane

No data available

12.3 Bio accumulative potential

Acetone

Does not bioaccumulate

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane


Data not available

Hexane

No data available

12.4 Mobility in soil

No data available

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12.5 Results of PBT and vPvB Assessment

This substance/mixture 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

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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

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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

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 substance on the REACH candidate list.

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.

Hazard statements in full

H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H361f	Suspected of damaging fertility
H373	May cause damage to organs through prolonged or repeated exposure

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H411

Toxic to aquatic life with long lasting effects

Abbreviations

Eye Irrit 2

Eye Irritant Category 2

Skin Irrit 2

Skin Irritant Category 2

Flam Liq 2

Flammable Liquid Category 2

Repr Cat 2

Reproductive Toxicity Category 2

Aquat Chron 2

Aquatic Chronic Category 2

STOT SE 3

Specific Target Organ Toxicity Single Exposure Category 3

STOT RE 3

Specific Target Organ Toxicity Repeated Exposure Category 3

Asp Haz 1

Aspiration Hazard Category 1