

Safety data sheet
according to 1907/2006/EC, Article 31 (as amended)

Printing date 16.02.2017

Version number 6

Revision: 24.11.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier** Aerosol Adhesive
- **Range** IA510 T-FIX EXTRA SPRAY ADHESIVE
- **Product Codes** IA510
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
The product should not be used for any purpose other than that specified in Section 1.

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02

GHS07

- Signal word Danger

Hazard-determining components of labelling:

acetone

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P261 Avoid breathing mist/vapours/spray.

P337+P313 If eye irritation persists: Get medical advice/attention.

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P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3 Other hazards · Results of

PBT and vPvB assessment · PBT: Not applicable.

- vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane, pure Flam. Gas 1, H220 Press. Gas C, H280	10-30%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	10-30%
CAS: 64742-49-0 EINECS: 265-151-9 Reg.nr.: 01-2119475133-43	*Naphtha (petroleum), hydrotreated light Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	10-30%

Additional information

* See Nota P, Annex I

*(benzene <0.1%)

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Never make an unconscious person vomit or drink fluids.

Immediately remove any clothing soiled by the product.

After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm.

After skin contact Immediately wash with soap and water and rinse thoroughly.

After eye contact Rinse open eye for several minutes under running water.

After swallowing Rinse out mouth and then drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents Water with full jet.

5.2 Special hazards arising from the substance or mixture In case of fire, the following can be released:

Carbon monoxide (CO) Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus.

Additional information Cool endangered containers with water spray.

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Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

• **6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources



Refer to the protective measures stated in Sections 7 and 8. Keep unprotected personnel away.

Ensure adequate ventilation .

• **6.2 Environmental precautions:**

Prevent seepage into sewage system, workpits and cellars.

Do not allow product to reach sewage system or any water course.

Do not allow to enter sewers/ surface or ground water.

- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust). Ensure adequate ventilation.

Dispose of contaminated material as waste according to section 13.

• **6.4 Reference to other sections**

See Section 7 for information on safe handling See Section 8

for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

• **7.1 Precautions for safe handling** Keep

away from heat and direct sunlight.

Ensure good ventilation and extraction at the workplace.

Do not allow product to reach sewage system or any water course.

- **General Occupational Hygiene** Do not eat, drink and smoke in work areas

Wash hands after use Remove contaminated clothing and protective equipment before entering eating areas.

• **Information about protection against explosions and fires:**

Do not spray onto a naked flame or any incandescent material.



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

• **7.2 Conditions for safe storage, including any incompatibilities**

• **Storage:**

• **Requirements to be met by storerooms and containers:**

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

• **Information about storage in one common storage facility:** Not required.

• **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

• 8.1 Control parameters

• Components with limit values that require monitoring at the workplace:

106-97-8 butane, pure

WEL (Great Britain)	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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67-64-1 acetone

WEL (Great Britain)	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
IOELV (European Union)	Long-term value: 1210 mg/m ³ , 500 ppm

• DNELs worker:

- **Additional information:** The information given is derived from the legislation in force at the time of preparation of the Safety Data Sheet

• 8.2 Exposure controls

- **General protective and hygienic measures** Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.
Store protective clothing separately.
Immediately remove all soiled and contaminated clothing

• Breathing equipment:

Not necessary if room is well-ventilated. In cases of insufficient ventilation use the following respiratory protective device: Short term filter device:
Filter APX

Protection of hands:

Use of the following recommended:

Type	Rubber			Nitrile		Neoprene
	Single	Multi	Heavy Duty	Single	Multi	Heavy Duty
	Use	Use	(Gauntlets)	Use	Use	(Gauntlets)
Preparation	X	Y	X	X	Y	X
Print Shop						
Solvent Inks	Y	Y	Y	Y	Y	Y
UV Inks	X	X	X	Y	Y	Y
Reclaim	X	X	Y	X	X	Y

Y = recommended X = not recommended

-----There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The selection of single or multi-use gloves is dependent upon the level of exposure. The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance. Always ensure that gloves are free from defects and that they are stored and used correctly.

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.
- **COSHH Essentials for Printers Control Guidance Sheet:** Guidance is provided by the Health and Safety executive (HSE) concerning COSHH (Control of Substances Hazardous to Health) for printers. See COSHH Essentials for Printers on the HSE website:
www.hse.gov.uk and enter 'COSHH Essentials for printers' in the search bar.

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Aerosol

Colour: Colourless

· Odour: Characteristic

· Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point: undetermined Initial

boiling point and boiling

range: -44 °C

· Flash point: -40 °C

· Flammability (solid, gaseous) Highly flammable.

· Ignition temperature:

Decomposition temperature: Not determined.

· Self igniting: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures is possible.

· Explosion limits:

Lower: Not determined.

Upper: Not determined.

· Oxidising properties Not determined

· Vapour pressure at 20 °C: 8300 hPa

· Density at 20 °C: 0.64 g/cm³

· Relative density Not determined.

· Vapour density Not determined. · Evaporation rate Not determined.

· Water: Not miscible or difficult to mix

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity: Not determined

· dynamic: Not determined. · kinematic: Not determined.

· Solvent content:

Organic solvents: 81.5 %

· VOC (EU): 81.50 %

· 9.2 Other information No further relevant information available.

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SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability · Thermal decomposition**
/ **conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

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SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

106-97-8 butane, pure

Inhalation	LC50	658 mg/m ³ (rat)
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67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (Rabbit)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:** No further data
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**



Must not be disposed together with household rubbish. Do not allow product to reach sewage system.

- **European waste catalogue**

08 03 99	wastes not otherwise specified
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SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
The preparation has been assessed following the conventional method of the CLP Directive 1272/2008/EC and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. Also refer to Section 2.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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Waste Hazard Classification:

HP 3 - Flammable

HP 4 - Irritant ·

Recommendation:

Dispose of product according to official regulations.

Also see Section 16 'Other Information'

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SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA** UN1950

· **14.2 UN proper shipping name**

· **ADR** 1950 AEROSOLS
 · **IMDG** AEROSOLS
 · **IATA** Aerosols, flammable

· **14.3 Transport hazard class(es)**

· **ADR**



· **Class** 2 5F Gases.
 · **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1
 · **Label** 2.1

· **14.4 Packing group**

· **ADR, IMDG, IATA** Void

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user**

· **Danger code (Kemler):** -
 · **EMS Number:** F-D,S-U
 · **Stowage Code** SW1 Protected from sources of heat.
 SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

 · **Segregation Code** SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

· **14.7 Transport in bulk according to Annex**

II of Marpol and the IBC Code Not applicable.

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· **Transport/Additional information:**

- | | |
|-----------------------------------|--|
| · ADR | |
| · Limited quantities (LQ) | 1L |
| · Excepted quantities (EQ) | Code: E0
Not permitted as Excepted Quantity |
| · Transport category | 2 |
| · Tunnel restriction code | D |

- | | |
|-----------------------------------|--|
| · IMDG | |
| · Limited quantities (LQ) | 1L |
| · Excepted quantities (EQ) | Code: E0
Not permitted as Excepted Quantity |

- | | |
|---------------------------------|-------------------|
| · UN "Model Regulation": | UN 1950 AEROSOLS, |
|---------------------------------|-------------------|

SECTION 15: Regulatory information

- **Chemical Safety Assessment** Chemical Safety Assessment not applicable
- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P3a FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **National regulations**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
Does not contain a SVHC according to REACH, Article 57

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SECTION 16: Other information

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. An "*" in the left hand margin indicates an amendment from the previous version.

• **Relevant phrases**

H220 Extremely flammable gas.
 H225 Highly flammable liquid and vapour.
 H280 Contains gas under pressure; may explode if heated.
 H304 May be fatal if swallowed and enters airways.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

• **Department issuing SDS:**

Product Safety Department - Fujifilm Speciality Ink Systems Limited

• **Contact:** product.safety@fujifilmsis.com • **Abbreviations and**

acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association (IATA Dangerous Goods Regulation (DGR) 57th Edition 2016)
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Flam. Gas 1: Flammable gases - Category 1
 Aerosol 1: Aerosols - Category 1
 Press. Gas C: Gases under pressure - Compressed gas
 Flam. Liq. 2: Flammable liquids - Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3
 Asp. Tox. 1: Aspiration hazard - Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

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