



# MOTAQUIP

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## 4. First Aid Measures

**Inhalation:** Should not be a problem as product is of low volatility. However, If feeling unwell remove patient to fresh air.

**Skin:** Wash with plenty of soap and water. If irritation persists, seek medical advice.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

**Ingestion:** Rinse mouth with water then give plenty of water to drink. Do not induce vomiting.

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## 5. Fire Fighting Measures

Non flammable product (flash point is greater than 100 deg. C (CC)). Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended. If product is involved in fire, extinguish with dry powder, foam or carbon dioxide.

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## 6. Accidental Release Measures

Ventilate area. For small spills wipe up with paper towel and place in container for disposal. For large spills absorb onto inert absorbent material and place in sealed container for disposal.

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## 7. Handling and Storage

### Handling:

No special handling requirements. Prolonged or repeated skin contact should be avoided.

### Storage:

Store in original containers at 8 deg. C-21 deg. C and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

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## 8. Exposure Controls/Personal Protection

Good industrial hygiene practices should be observed. In circumstances where there is a potential for prolonged or repeated skin contact, the use of disposable gloves (polyethylene, natural rubber or equivalent ester-resistant material) is recommended.

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## 9. Physical and Chemical Properties

Physical State	Paste
Colour	Colourless
Odour	Characteristic
pH	N/A
Boiling Range/Point (°C)	>150
Flash Point (cc) (°C)	>100
Specific Gravity	1.05-1.1 g/ml at 20° C
Solubility in Water (kg/m <sup>3</sup> )	N/A
Solubility in Acetone	N/A
Vapour Pressure (mmHg @ 25°C)	Less than 3 at 20° C
Explosion Limits (%)	N/A

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## 10. Stability and Reactivity

Polymerisation may occur after some time in the absence of air and/or the presence of a metal. However, the product is adequately stabilised to ensure that premature polymerisation does not occur under normal conditions of use.

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## 11. Toxicological Information

### Inhalation

Due to low volatility of the product there are no hazards associated with inhalation under normal conditions of use.

### Skin

This product is classified as a skin irritant.

### Eyes

This product is an irritant to the eyes.

### Ingestion

This product is considered to be of low toxicity having an acute oral LD50 (rat) >5000mg/kg by analogy to other similar products.

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## 12. Ecological Information

No information available.

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## 13. Disposable Considerations

Dispose of in accordance with local and national regulations. Incinerate or bury in legal landfill.

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## 14. Transport Information

UN Number	None
Air (AITA)	Not classified
Sea (IMO)	Not classified
Road (ADR)/Rail (RID)	Not classified

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## 15. Regulatory Information

Contains Labelling Information	Acrylic acid Irritant
R Phrases	<b>R 36/38 Irritating to eyes and skin</b>
S Phrases	<b>S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</b> <b>S 28 After contact with skin, wash immediately with plenty of soap and water.</b>

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## 16. Other Information

*The data contained in this Safety Data Sheet has been supplied as required by the **Chemicals (Hazard Identification and Packaging for Supply) Regulations 1994**, as amended (if applicable), for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting upon the information provided.*

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## SAFETY DATA SHEET (SDS)

New SDS: Date 05.11.99. Date issued (sent) 00.00.00. Data Sheet Number HS 010

### 1b Identification of the Substance/Preparation and Company/Undertaking

Substance or preparation trade name: Motaquip Glass to Metal Bonding Kit.

Unique reference number(s): VAC 159

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Company/undertaking name, address, and normal telephone number:

MOTAQUIP

Tel 024 76 883000

PO BOX 26

Fax 024 76 883001

TORRINGTON AVENUE

COVENTRY CV4 9UX

EMERGENCY TELEPHONE NUMBER:

+353-1-4599301/+353-1-87-2629625/+353-1-4046444

### 2b Composition/Information on Ingredients

Preparation Name: Motaquip Glass to Metal Bonding Kit.

Nature **734 – Activator F**

Hazardous Components in Product for EC

Component Name	Concentration	R Phrases	Classification
Acetone	60.00-100.00	R11	F
Butyraldehyde/mono-butylamine condensate	5.00-10.00	R22, R36	Xn

### 3b Hazards Identification

This product is highly flammable. Solvent will have a defatting action on the skin making it more susceptible to dermatitis and sensitisation. Inhalation of vapours may cause headaches or dizziness.

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## 4b First Aid Measures

**Inhalation:** Remove affected person to fresh air, and if still feeling unwell seek medical attention.

**Skin:** Wash skin with plenty of soap and water and apply replenishing cream if necessary.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

**Ingestion:** Rinse mouth with water then give plenty of water to drink. Do not induce vomiting.

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## 5b Fire Fighting Measures

This product is highly flammable having a flash point of  $-18^{\circ}$  C. Keep unaffected containers cool with water spray. If product is involved in fire, extinguish with dry powder, foam or carbon dioxide. Self-contained breathing apparatus should be worn when dealing with fire.

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## 6b Accidental Release Measures

Ventilate area. Eliminate sources of ignition. Absorb spillage onto inert absorbent material and place in a closed container, which should be partially filled (air space), for disposal.

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## 7b Handling and Storage

**Handling:** Avoid sources of ignition – no smoking. Vapours should be extracted to avoid inhalation.

**Storage:** Keep away from sources of ignition. Store away from heat in a cool, well ventilated area.

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## 8b Exposure Controls/Personal Protection

**Occupational exposure limits: Acetone**

HSA (1997) C.O.P: OEL 1500ppm (3560mg/m<sup>3</sup>) 8h TWA.

HSA (1997) C.O.P: OEL 0ppm (0mg/m<sup>3</sup>) 15 min exposure limit.

ACGIH: TLV 500ppm (1188mg/m<sup>3</sup>) 8h TWA.

ACGIH: STEL 750ppm (1782mg/m<sup>3</sup>) 15 min TWA

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## 8b Exposure controls/Personal Protection – Continued

In circumstances where there is a potential for prolonged or repeated skin contact, the use of polyvinyl chloride polyethylene or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended. Use in well ventilated area.

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## 9b Physical and Chemical Properties

Physical State	Liquid
Colour	Dark Blue
Odour	Pungent
pH	Not determined
Boiling Range/Point (°C)	56
Flash Point (cc) (°C)	-18
Specific Gravity	0.8 at 20° C
Solubility in Water (kg/m <sup>3</sup> )	Immiscible
Solubility in Acetone	Miscible
Vapour Pressure (mmHg @ 25°C)	230 at 20° C (measured as millibars)
Explosion Limits (%)	Not determined

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## 10b Stability and Reactivity

The product is relatively stable under normal conditions of use. Non reactive to oxidising agents except for peroxides.

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## 11b Toxicological Information

**Inhalation:** Inhalation of vapours may cause headaches or dizziness.

**Skin:** Acute dermal LD50 (rabbit) is estimated to be greater than 2000mg/kg. Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.

**Eyes:** May cause mild irritant to the eyes.

**Ingestion:** This product is considered to be of low toxicity having an acute oral LD50 (rat)>2000mg/kg by analogy to similar products. Ingestion of large quantities may cause liver or kidney damage.

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## 12b Ecological Information

Does not contain substances listed on the Montreal protocol.

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## 13b Disposable Considerations

Dispose of in accordance with local and national regulations. Evaporation and incineration recommended.

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## 14b Transport Information

UN Number	1090
Air (AITA)	Acetone solution, Class 3, Packaging Group 11
Sea (IMO)	Acetone solution, Class 3.2, Packaging Group 11 EmS 3-06 MFAG 300.
Road (ADR)/Rail (RID)	Acetone solution, Class 3, Item No. 3 <sup>0</sup> (b)

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## 15b Regulatory Information

Contains Labelling Information	Highly Flammable
R Phrases	R11 Highly Flammable
S Phrases	S9 Keep container in a well ventilated place. S16 Keep away from sources of ignition – No Smoking. S33 Take precautionary measures against static discharges. S23 Do not breathe vapour S51 Use only in well ventilated areas.
Voluntary Labelling	N/A

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## 16b Other Information

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**SAFETY DATA SHEET FOR: Motaquip Glass to Metal Bonding Kit; VAC 159.**