

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/22/2016

Reviewed on 01/22/2016

### \* 1 Identification

· **Product Identifier**

· **Trade name: Non-Flammable Rubber Cement**

· **Relevant identified uses of the substance or mixture and uses advised against:**

· **Product Description** Rubber Cement

· **Details of the Supplier of the Safety Data Sheet:**

· **Manufacturer/Supplier:**

Ningbo Autowin Tools Co., Ltd.  
Fangxin Road, Fangqiao Ind. Zone  
Fenghua, Ningbo 315514 China  
Ph: 86-574-2852-5801

· **Emergency telephone number:**

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

### \* 2 Hazard(s) Identification

· **Classification of the substance or mixture:**



GHS08 Health hazard

Muta. 2	H341	Suspected of causing genetic defects.
Carc. 1B	H350	May cause cancer.
Repr. 1A	H360	May damage fertility or the unborn child.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

· **Label elements:**

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



GHS07 GHS08

· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Acetylene Trichloride (Trichloroethylene )

Methylene chloride

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**Trade name: Non-Flammable Rubber Cement****Hazard statements:**

Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing genetic defects.  
May cause cancer.  
May damage fertility or the unborn child.  
May cause respiratory irritation. May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

Do not breathe dust/fume/gas/mist/vapors/spray.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves.  
Wear eye protection / face protection.  
Avoid release to the environment.  
Wash thoroughly after handling.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER/doctor if you feel unwell.  
IF exposed or concerned: Get medical advice/attention.  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Get medical advice/attention if you feel unwell.  
IF ON SKIN: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.  
Store locked up.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

**Unknown acute toxicity:**

10 % of the mixture consists of component(s) of unknown toxicity.

**Classification system:****NFPA ratings (scale 0 - 4)****HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = *2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

**Hazard(s) not otherwise classified (HNOC):** None known

### \* 3 Composition/Information on Ingredients

**Chemical characterization: Mixtures**

**Description:** Mixture: consisting of the following components.

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**Trade name: Non-Flammable Rubber Cement**

<b>Dangerous Components:</b>		
CAS: 79-01-6 RTECS: KX4550000	Acetylene Trichloride (Trichloroethylene ) ⚠ Muta. 2, H341; Carc. 1B, H350; Repr. 1A, H360; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336; Aquatic Chronic 3, H412	45-55%
CAS: 75-09-2 RTECS: PA 8050000	Methylene chloride ⚠ Carc. 2, H351; STOT RE 2, H373; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335-H336	35-45%
CAS: 9006-04-6	Natural rubber latex	5-15%

### \* 4 First-Aid Measures

• **Description of first aid measures:**

• **General information:**

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

• **After inhalation:**

Not a normal route of entry.

In case of unconsciousness place patient stably in side position for transportation.

• **After skin contact:**

Wash with soap and water.

Immediately wash with water and soap and rinse thoroughly.

• **After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:** Not anticipated under normal use.

• **Information for doctor:**

• **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

• **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

### 5 Fire-Fighting Measures

• **Extinguishing media:**

• **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

• **Special hazards arising from the substance or mixture:** No further relevant information available.

• **Advice for firefighters:**

• **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

### \* 6 Accidental Release Measures

• **Personal precautions, protective equipment and emergency procedures:** Not required.

• **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

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

• **Methods and material for containment and cleaning up:**

Use the appropriate tools to collect the material and dispose of it in an approved waste disposal container.

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

• **Reference to other sections:**

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### \* 7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep protective respiratory device available.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

### \* 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**

#### · Components with occupational exposure limits:

##### **79-01-6 Acetylene Trichloride (Trichloroethylene )**

PEL	Long-term value: 100 ppm Ceiling limit value: 200; 300* ppm *5-min peak in any 2 hrs
REL	See Pocket Guide Apps. A and C
TLV	Short-term value: 135 mg/m <sup>3</sup> , 25 ppm Long-term value: 54 mg/m <sup>3</sup> , 10 ppm BEI

##### **75-09-2 Methylene chloride**

PEL	Short-term value: 125 ppm Long-term value: 25 ppm see 29 CFR 1910.1052
REL	See Pocket Guide App. A
TLV	Long-term value: 174 mg/m <sup>3</sup> , 50 ppm BEI

##### **9006-04-6 Natural rubber latex**

TLV	Long-term value: 0.0001* mg/m <sup>3</sup> Skin; DSEN, RSEN;* inh. fraction
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<b>Ingredients with biological limit values:</b>	
<b>79-01-6 Acetylene Trichloride (Trichloroethylene )</b>	
BEI	15 mg/L urine end of shift at end of workweek Trichloroacetic acid (nonspecific)
	0.5 mg/L blood end of shift at end of workweek Trichloroethanol without hydrolysis (nonspecific)
-	blood end of shift at end of workweek Trichloroethylene (semi-quantitative)
-	end-exhaled air end of shift at end of workweek Trichloroethylene (semi-quantitative)
<b>75-09-2 Methylene chloride</b>	
BEI	0.3 mg/L urine end of shift Dichloromethane (semi-quantitative)

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

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**Trade name: Non-Flammable Rubber Cement**

· **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**



Safety glasses

Tightly sealed goggles

### \* 9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:**

Pasty

**Color:**

Light yellow

· **Odor:**

Chloroform-like

· **Odor threshold:**

Not determined.

· **pH-value:**

Acidic

· **Change in condition**

**Melting point/Melting range:**

Not determined.

**Boiling point/Boiling range:**

40 °C (104 °F)

· **Flash point:**

> 410 °C (> 770 °F)

· **Flammability (solid, gaseous):**

Not applicable.

· **Ignition temperature:**

410 °C (770 °F)

· **Decomposition temperature:**

Not determined.

· **Auto igniting:**

Product is not self-igniting.

· **Danger of explosion:**

Product does not present an explosion hazard.

· **Explosion limits:**

**Lower:**

7.9 Vol %

**Upper:**

90.0 Vol %

· **Vapor pressure @ 20 °C (68 °F):**

453 hPa (340 mm Hg)

· **Density @ 20 °C (68 °F):**

1.362 g/cm<sup>3</sup> (11.366 lbs/gal)

· **Relative density:**

Not determined.

· **Vapor density:**

Not determined.

· **Evaporation rate:**

Not determined.

· **Solubility in / Miscibility with:**

**Water:**

Not miscible or difficult to mix.

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

· **Viscosity:**

**Dynamic:**

Not determined.

**Kinematic:**

Not determined.

· **Solvent content:**

**Organic solvents:**

90.0 %

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**Trade name: Non-Flammable Rubber Cement****VOC content:**

45-50 %

**Other information:**

No further relevant information available.

### \* 10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**  
Carbon dioxide and carbon monoxide may form when heated to decomposition
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Heat, flame and ignition sources.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### \* 11 Toxicological Information

**Information on toxicological effects:****Acute toxicity:****LD/LC50 values that are relevant for classification:****79-01-6 Acetylene Trichloride (Trichloroethylene )**

Oral	LD50	2402 mg/kg (mouse)
Dermal	LD50	8450 mg/kg (mouse)

**75-09-2 Methylene chloride**

Oral	LD50	1600 mg/kg (rat)
Inhalative	LC50/4 h	88 mg/l (rat)

**Primary irritant effect:****On the skin:** Irritant to skin and mucous membranes.**On the eye:**

Irritating effect.

Causes serious eye irritation.

**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Carcinogenic.

**Carcinogenic categories:****IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

79-01-6 Acetylene Trichloride (Trichloroethylene )

2A

75-09-2 Methylene chloride

2B

**NTP (National Toxicology Program):**

79-01-6 Acetylene Trichloride (Trichloroethylene )

R

75-09-2 Methylene chloride

R

**OSHA-Ca (Occupational Safety & Health Administration):**

75-09-2 Methylene chloride

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**Trade name: Non-Flammable Rubber Cement**

### \* 12 Ecological Information

- **Toxicity:**
- **Aquatic toxicity:**  
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 3 (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

### \* 13 Disposal Considerations

- **Waste treatment methods:**
- **Recommendation:**  
Observe all federal, state and local environmental regulations when disposing of this material.  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### \* 14 Transport Information

- **UN-Number:**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **Transport/Additional information:**
- **DOT**
- **Remarks:** ERG Number: 151

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**Trade name: Non-Flammable Rubber Cement**

· **ADR**

· **Remarks:**

ERG Number: 151

· **UN "Model Regulation":**

Non-Regulated Material

## \* 15 Regulatory Information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

· **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

79-01-6 Acetylene Trichloride (Trichloroethylene )

75-09-2 Methylene chloride

· **TSCA (Toxic Substances Control Act):**

79-01-6 Acetylene Trichloride (Trichloroethylene )

75-09-2 Methylene chloride

· **California Proposition 65:**

· **Chemicals known to cause cancer:**

79-01-6 Acetylene Trichloride (Trichloroethylene )

75-09-2 Methylene chloride

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

79-01-6 Acetylene Trichloride (Trichloroethylene )

· **Chemicals known to cause developmental toxicity:**

79-01-6 Acetylene Trichloride (Trichloroethylene )

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

79-01-6 Acetylene Trichloride (Trichloroethylene )

CaH

75-09-2 Methylene chloride

L

· **TLV (Threshold Limit Value established by ACGIH):**

79-01-6 Acetylene Trichloride (Trichloroethylene )

A2

75-09-2 Methylene chloride

A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

79-01-6 Acetylene Trichloride (Trichloroethylene )

75-09-2 Methylene chloride

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



GHS07 GHS08

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Issue date 01/22/2016

Reviewed on 01/22/2016

**Trade name: Non-Flammable Rubber Cement****Signal word:** Danger**Hazard-determining components of labeling:**Acetylene Trichloride (Trichloroethylene )  
Methylene chloride**Hazard statements:**Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing genetic defects.  
May cause cancer.  
May damage fertility or the unborn child.  
May cause respiratory irritation. May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.**Precautionary statements:**Do not breathe dust/fume/gas/mist/vapors/spray.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves.  
Wear eye protection / face protection.  
Avoid release to the environment.  
Wash thoroughly after handling.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER/doctor if you feel unwell.  
IF exposed or concerned: Get medical advice/attention.  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Get medical advice/attention if you feel unwell.  
IF ON SKIN: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.  
Store locked up.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container in accordance with local/regional/national/international regulations.**National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**State Right to Know:**

CAS: 79-01-6 RTECS: KX4550000	Acetylene Trichloride (Trichloroethylene ) ⚠ Muta. 2, H341; Carc. 1B, H350; Repr. 1A, H360; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336; Aquatic Chronic 3, H412
CAS: 75-09-2 RTECS: PA 8050000	Methylene chloride ⚠ Carc. 2, H351; STOT RE 2, H373; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335-H336
CAS: 9006-04-6	Natural rubber latex
None of the ingredients are listed.	

**Information about limitation of use:**

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**Trade name: Non-Flammable Rubber Cement**

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of preparation / last revision:** 01/22/2016 / 3

- **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
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)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
BEL: Biological Exposure Limit  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A  
Muta. 2: Germ cell mutagenicity, Hazard Category 2  
Carc. 1B: Carcinogenicity, Hazard Category 1B  
Carc. 2: Carcinogenicity, Hazard Category 2  
Repr. 1A: Reproductive toxicity, Hazard Category 1A  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

- **\* Data compared to the previous version altered.**

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