

# CATGUARD/CATETCH/SAFECAT

## Safety Notice:

1. **Personal protective equipment MUST be worn.**
2. **Review attached SDS prior to proceeding.**

## Application Guide for Catalytic Converter Theft Prevention Labels

**General Instructions:** Note: Safety All Precautions Must Be Followed

1. Avoid high traffic areas
2. Wear reflective safety vest if working outside
3. Secure vehicle and keys
4. Avoid eye/skin contact with catalytic converter marking fluid

### **IMPORTANT: MAKE SURE CATALYTIC CONVERTER(S) IS COOL TO TOUCH!**

The label will adhere to all surfaces likely to be encountered, provided the areas are clean, dry and paint/grease free. Label MUST NOT be used on corroded or rusty metal.

### **Parts:**

1. Vehicle label kit
2. Wire Brush
3. Sandpaper or Scuff Pad
4. Shop Towel
5. High Temperature Paint

**Application Instructions:** <https://www.youtube.com/watch?v=9GKoSxbW8-I>

1. Obtain vehicle keys and keep them with you while performing this installation.
2. Verify the location and number of catalytic converter(s) on the vehicle.
3. If pre-registered verify the vehicle number you are working on matches the vehicle number marked on the Vehicle Specific Serialized Theft-Deterrent Decal Kit you have. If they do not match contact your Fleet Manager before continuing.
4. Identify and prepare an area on each of the catalytic converter(s) where you plan to install the theft-deterrent decal. Ensure the area is clean, dry and rust/paint/grease free.

Additional Installation Instructions <https://youtu.be/cNcZFAtPyAE>

**Note: Place decal(s) on catalytic converter(s) and if possible NOT on heat shields.**

5. Peel a theft-deterrent decal from the backing paper and press it firmly on the prepared area of the catalytic converter. Repeat as required with additional decals if additional catalytic converter(s) are present on the vehicle.

If there is an extra label, apply it to the others side of the same converter.

6. Apply the metal etching fluid to the decal(s) over the laser-cut message taking care to keep the fluid on the labels.
  - a. Ensure that all the laser-cut message holes are filled.
  - b. Ensure the etching fluid lid is reapplied to seal the container.
7. Optional: Apply a single stripe of high temperature, high visibility paint to the vehicles catalytic converter(s) using appropriate safety equipment.
8. Start the vehicle and allow to idle for approximately two minutes. Do not remove the theft-deterrent decal(s).
9. Return tools and unused supplies.
10. If not preregistered, register the product in RETAINAGROUP's portal or use the RETAINAGROUP excel form as supplied.
11. Shut off engine, secure vehicle, return keys.
12. Apply window warning label if supplied.

**Registration Instructions:**



RETAINAGROUP Web Portal for direct registration

**Method One:** Scan QR code with your camera and accept web portal form Follow online instructions.

**Method Two:** Use our fleet registration **excel sheet** ensuring it is submitted weekly and all fields are completed.



**Warning: Surface Rust Causes the Label to Fail**

The CATGUARD/CATETCH/SAFECA labels are designed to last but the surface must be clean, dry and rust/paint/grease free for proper adhesion.

Below is an example of a failure to prepare the surface which caused the label to fail.



# SAFETY DATA SHEET

Revision: 06 November 2020

Version number: 2

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

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|--|--|
| <b>1.1 Product identifier</b>  | <b>Retainagroup Metal Marking Fluid</b><br>Product code: RET03   |
| <b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> | Security Marking fluid for various metals.<br>Uses advised against: not available.   |
| <b>1.3 Details of the supplier of the safety data sheet</b>                              | Retainagroup Ltd, Unit 5 St Johns Court, Foster Road, Ashford, Kent TN24 0SJ; Tel 01233-506400; Fax 01233-506401; E-mail factory@retainagroup.co.uk. |
| <b>1.4 Emergency telephone number</b>  | Retainagroup Ltd: 01233-506400 (9 am to 5 pm, Mon to Fri).   |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Skin Irrit 2, H315; Eye Irrit 2, H320; Tox 4, H302;

Classification according to Directive 1999/45/EC Xi, R36/38, R22

See Section 16 'Other information' for full text of the R- and H-phrases.

### 2.2 Label elements



Signal word Warning

Hazard statements Causes skin irritation.  
Causes eye irritation.  
Harmful if swallowed.

Precautionary statements

prevention Use and apply only as indicated in instructions.  
Personal protective equipment is not normally required due to volumes supplied (<= 100ml) and individual application methods unless a risk assessment indicates the need for it.

response IF eye irritation persists: Seek medical attention.

storage None.

disposal None.

### 2.3 Other hazards

Not available.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures <sup>a,b</sup>

Declarable components	Conc. (wt%)	EC No.	CAS No.	Reg. No.	Classification	
					67/548/EEC	1272/2008
Ammonium copper chloride (II)	25	239-690-5	10060-13-6	NA	Xi (irritant), R36/38	Skin Irrit 2, H315; Eye Irrit 2, H320, H302
<i>Other components</i>						
Water	75	231-791-2	7732-18-5	NA	Not classified	Not classified

<sup>a</sup> NA: not available.

<sup>b</sup> See Section 16 'Other information' for full text of the R- and H-phrases.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Inhalation	Inhalation is highly unlikely since the product is non-volatile and does not emit any appreciable vapour at normal room temperatures.
Skin	May cause irritation to skin – wash immediately with plenty of soap and water.
Eye	May cause irritation to eyes – rinse immediately with plenty of water for at least 15 minutes. Seek medical attention.
Ingestion	If swallowed, rinse mouth thoroughly and drink water. Get prompt medical attention. Do not induce vomiting, unless instructed by medical personnel.

**4.2 Most important symptoms and effects, both acute and delayed** Skin and eye irritant.

**4.3 Indication of any immediate medical attention and special treatment needed** Treat symptoms as they occur.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable	Water spray, foam, dry powder, and carbon dioxide extinguishers are suitable.
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Unsuitable	Not available.
<b>5.2 Special hazards arising from the substance or mixture</b>	The product is an aqueous solution, and is not classified as flammable. However, if involved in a fire, product will decompose giving toxic fumes under conditions of intense heat.
<b>5.3 Advice for firefighters</b>	Remove containers from fire or cool them with water spray.

## SECTION 6: Accidental release measures

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Refer to section 8 for personal protection details.
<b>6.2 Environmental precautions</b>	Prevent product from entering water courses or drainage system by absorption with inert material.
<b>6.3 Methods and material for containment and cleaning up</b>	Stop the source of leak or release. Clean up spill as soon as possible. For small quantities, wipe off with cloth or paper, and wash affected area with water and detergent. For large quantities absorb with an inert material. Wash contaminated surfaces with water and detergent. Collect spill, contaminated materials, and washings in a container for disposal.
<b>6.4 Reference to other sections</b>	For recommended personal protective equipment, see Section 8. For disposal considerations, see Section 13.

## SECTION 7: Handling and storage

<b>7.1 Precautions for safe handling</b>	Avoid skin and eye contact with the product, using measures as described in Section 8.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed in an area away from direct sunlight.
<b>7.3 Specific end use(s)</b>	Security marking of various bare metal substrates within the automotive industry.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

EU limit values	None.
UK limit values	None.
Monitoring procedure	BS EN 14042:2003; Workplace Atmospheres; Guide for the Application and Use of Procedures for the Assessment of Exposure to Chemical and Biological Agents, or specific national equivalent.

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Other: human health None.  
(DNELs, DMELs)

Other: environmental None.  
(PNEC)

## 8.2 Exposure controls

Engineering controls None.

Personal protective equipment The need for personal protective equipment should be based on a workplace risk assessment for the particular use.  
Avoid skin and eye contact.

Environmental exposure controls Not available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Green liquid
Odour	None
Odour threshold	Not applicable.
pH	Not available
Melting/freezing point	Water, 0 °C
Initial boiling point/range	Water 100 °C
Flash point	Aqueous solution.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-Flammable.
Flamm. or expl. limits	Not applicable.
Vapour pressure	Water 2310 Pa at 20 °C
Vapour density	Not applicable.
Relative density	Not applicable.
Solubilities	In water: soluble
Partition coeff. (log K <sub>ow</sub> )	Not applicable.
Auto-ignition temp.	Not applicable.
Decomposition temp.	Not applicable.
Viscosity	Not applicable.
Explosive properties	Non-Flammable.

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Oxidising properties	Not applicable.
<b>9.2 Other information</b>	Not applicable.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	Not available.
<b>10.2 Chemical stability</b>	Stable.
<b>10.3 Possibility of hazardous reactions</b>	Not available.
<b>10.4 Conditions to avoid</b>	Extreme heat.
<b>10.5 Incompatible materials</b>	Strong oxidizing agents, and strong acids.
<b>10.6 Hazardous decomposition products</b>	Not available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity	Not available.
Skin corrosion/irritation	The product is expected to meet the criteria for classification (Category 2).
Serious eye damage/irritation	The product is expected to meet the criteria for classification (Category 2).
Ingestion	Harmful if swallowed. (H302)

## SECTION 12: Ecological information

<b>12.1 Toxicity</b>	Not available.
<b>12.2 Persistence and degradability</b>	Biodegradable.
<b>12.3 Bioaccumulative potential</b>	Does not bio-accumulate.
<b>12.4 Mobility in soil</b>	Not available
<b>12.5 Results of PBT and vPvB assessment</b>	Not available.
<b>12.6 Other adverse effects</b>	Not available.



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## SECTION 13: Disposal considerations

**13.1 Waste treatment methods** Incineration is recommended for disposal of this product. Landfill or disposal via the drains is not recommended. Disposal must be in accordance with current national and local regulations.

## SECTION 14: Transport information

**14.1 UN Number** Not classified as dangerous goods for transport.

**14.2 UN proper shipping name** Not applicable.

**14.3 Transport hazard class(es)** Not applicable.

**14.4 Packing group** Not applicable.

**14.5 Environmental hazards** Not marine pollutant/environmentally hazardous.

**14.6 Special precautions for user** Not available.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** *UK:* Workplace Exposure Limits EH40/2005, with 2007 supplement, Health and Safety Executive; Control of Substances Hazardous to Health Regulations 2002 (COSHH), as amended; COSHH Essentials: Easy steps to control chemicals; HSE Books 2003 (also available on the HSE web site).

**15.2 Chemical safety assessment** Not available.

## SECTION 16: Other information

**Revisions** This SDS is the first version in EU CLP format and classified accordingly.

**Abbreviations** DNEL, derived no-effect level; DMEL, derived minimum effect level; PBT, persistent, bioaccumulative, and toxic; PNEC, predicted no-effect concentration; vPvB, very persistent, very bioaccumulative.

**Basis of classification** The mixture is self-classified on the basis of available information on the ingredients.

**List of R-phrases** R36, irritating to eyes; R38, irritating to skin; R22, harmful if swallowed

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List of hazard statements    H315: Causes skin irritation; H320: Causes eye irritation; H302: Harmful if swallowed.

Company Statement        **Please note the information within this data sheet applies to large quantities of raw Ammonium copper (II) chloride whereas our fluid mixture contains only a small percentage of this chemical and is supplied in containers of a maximum size of <= 100ml.**

*Disclaimer:* The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. The information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for each material used in combination with any other materials or in any other process.