

SAFETY DATA SHEET

CP0670 v3.0 RS 321-7273

No Clean Flux Remover Pen - CW9100

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product name : No Clean Flux Remover Pen - CW9100**Synonyms** : CW9100**Use of the substance/preparation** : CLEANING PRODUCTS

Company/undertaking identification

Manufacturer : ITW Chemtronics
Kennesaw, Georgia USA**Supplier** : [
[
[
[**Supplied by:**
RS Components Ltd.
Birchington Road, Corby, Northants, NN17 9RS.
Tel: (01536) 402888**Importer** : ITW Chemtronics
Rocol House
Swillington Leeds
LS26 8BS
United Kingdom
+44 (0) 1132322625**Emergency telephone number** : Chemtrec - Call Collect 703-527-3887

2. Composition/information on ingredients

Substance/Preparation : Preparation

Ingredient Name	CAS number	%	EC Number	Classification
HEXAMETHYLDISILOXANE	107-46-0	60-70	203-492-7	Xi; R36/38
Acetone	67-64-1	10-20	200-662-2	F; R11 Xi; R36 R66, 67 R10
1-Methoxy-2-propanol	107-98-2	1-7	203-539-1	
N-Methyl-2-pyrrolidone	872-50-4	1-5	212-828-1	Xi; R36/38
See Section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : R10
Xi; R36/38**Physical/chemical Hazards** : Flammable.**Human health hazards** : Irritating to eyes and skin.

See Section 11 for more detailed information on health effects and symptoms.

4. First aid measures

First aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.**Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.**Skin Contact** : In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention immediately.**Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.**Specific treatments** :

See Section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media	: In case of fire, use water spray (fog), foam, dry chemical, or CO ₂
Special exposure hazards	: Flammable liquid and vapour. Vapour may cause flash fire. Not available.
Hazardous thermal decomposition products	: These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...). Some metallic oxides.
Special protective equipment for fire-fighters	: Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal Precautions	: Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5). Do not touch or walk through spilled material.
Environmental precautions and cleanup methods	: Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information. If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling	: Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. Wash thoroughly after handling.
Storage	: Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame).
Packaging materials	
Recommended	: Use original container.
Specific uses	:

8. Exposure controls/personal protection

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
Acetone	EU OEL (Europe, 2000). Notes: Indicative TWA: 1210 mg/m ³ 8 hour(s). TWA: 500 ppm 8 hour(s).
1-Methoxy-2-propanol	ACGIH TLV (United States, 2000). STEL: 553 mg/m ³ 15 minute(s). STEL: 150 ppm 15 minute(s). TWA: 369 mg/m ³ 8 hour(s). TWA: 100 ppm 8 hour(s).

Exposure controls	
Occupational exposure controls	: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
Respiratory protection	: A respirator is not needed under normal and intended conditions of product use.
Hand protection	: Use latex gloves.
Eye protection	: Safety glasses. Goggles, face shield, or other full-face protection if potential exists for direct exposure to aerosols or splashes.
Skin protection	: Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Appropriate techniques should be used to remove potentially contaminated clothing.

9. Physical and chemical properties

General information

Appearance

Physical state	: Liquid.
Colour	: Colourless.
Odour	: Not available.

Important health, safety and environmental information

pH	: Not available.
Boiling point	: The lowest known value is 56.17°C (133.1°F) (Acetone). Weighted average: 87.65°C (189.8°F)
Melting point	: May start to solidify at -23.94°C (-11.1°F) based on data for: N-Methyl-2-pyrrolidone. Weighted average: -85.09°C (-121.2°F)
Flash point	: Closed cup: 39°C (102.2°F). (Tagliabue.)
Explosive properties	: Not considered as a product presenting risks of explosion.

Oxidising properties	: Not available.
Relative density	: Weighted average: 0.84 g/cm ³
Solubility	: Insoluble
Vapour density	: >1 (Air = 1)
Evaporation rate (butyl acetate = 1)	: <1 compared to Butyl acetate.

Other information

Auto-ignition temperature	: The lowest known value is 464.9°C (868.8°F) (Acetone).
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10. Stability and reactivity

Stability	: The product is stable.
Hazardous Decomposition Products	: These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...). Some metallic oxides.

11. Toxicological information

Potential Acute Health Effects

Inhalation	: Practically non-toxic by inhalation.
Ingestion	: No specific hazard.
Skin Contact	: Irritating to skin.
Eye contact	: Irritating to eyes.

Acute toxicity

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Acetone	LD50	5800 mg/kg	Oral	Rat
	LD50	5340 mg/kg	Oral	Rabbit
1-Methoxy-2-propanol	LD50	5700 mg/kg	Oral	Rabbit
	LD50	11700 mg/kg	Oral	Mouse
	LDLo	3739 mg/kg	Oral	Rat
N-Methyl-2-pyrrolidone	LD50	3914 mg/kg	Oral	Rat
	LD50	5130 mg/kg	Oral	Mouse

Over-exposure signs/symptoms

Target Organs	: Contains material which causes damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.
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12. Ecological information

Ecotoxicity Data

<u>Ingredient Name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Acetone	Daphnia magna (EC50)	48 hour(s)	23.5 mg/l
	Pimephales promelas (EC50)	48 hour(s)	8990 mg/l
	Daphnia magna (EC50)	48 hour(s)	13500 mg/l
	Pimephales promelas (LC50)	96 hour(s)	>100 mg/l
	Daphnia magna (LC50)	96 hour(s)	>100 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	5540 mg/l




Other adverse effects	: Not available.
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13. Disposal considerations

Methods of disposal	: Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.
Waste Classification	: Not applicable.
European Waste Catalogue (EWC)	: Not available.
Hazardous Waste	: The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	1993	FLAMMABLE LIQUIDS, N.O.S. (Acetone)	3	-		-
ADN Class	1993	FLAMMABLE LIQUIDS, N.O.S. (Acetone)	3	-		-
IMDG Class	1993	FLAMMABLE LIQUIDS, N.O.S. (Acetone)	3	-		-

IATA-DGR Class	1993	FLAMMABLE LIQUIDS, N.O.S. (Acetone)	3	-		-
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15. Regulatory information

EU Regulations

Hazard symbol(s)

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Irritant

Risk phrases

:

R10- Flammable.
R36/38- Irritating to eyes and skin.

Safety Phrases

:

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S2- Keep out of the reach of children.

Product Use

:

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.
- Industrial applications

EC Statistical Classification
(Tariff Code)

:

32089091

16. Other information

Full text of R phrases referred to
in Sections 2 and 3 - Europe

:

R11- Highly flammable.
R10- Flammable.
R36- Irritating to eyes.
R36/38- Irritating to eyes and skin.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.

Full text of classifications
referred to in Sections 2 and 3 -
Europe

:

F - Highly flammable
Xi - Irritant

HISTORY

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0.01

Prepared by

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