

SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

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

1.1 Product identifier

- Product Name: Total Clean Advance (200) Aerosol Cleaner (400ml)
- UFI: 8M08-30K4-V00P-RNVD

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Cleaning agent

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Warton Solder Products Limited
- Address of Supplier: Grove Mill
Commerce Street
Haslingden
Lancashire
BB4 5JT
England
- Telephone: +44 (0)1706 218888
- Responsible Person: Andrew Price
- Email: sales@wartonsolder.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0)1706 218888

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Flam. Aerosol 1, Press. Gas, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3

2.2 Label elements



- Signal Word: Danger
- Contains: UN 1219 Isopropyl Alcohol
Aliphatic Hydrocarbon Solvent Blend
Liquified Petroleum Gas Propellant

SECTION 2: Hazards identification (....)

Hazard statements

EUH066 - Repeated exposure may cause skin dryness or cracking.

H222 - Extremely flammable aerosol.

H319 - Causes serious eye irritation.

H229 - Pressurised container: May burst if heated.

H315 - Causes skin irritation.

H336 - May cause drowsiness or dizziness.

Precautionary statements

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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

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

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

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

2.3 Other hazards

- In use, may form flammable/explosive vapour-air mixture

SECTION 3: Composition/information on ingredients

3.2 Mixtures

	CAS Number	EC Number	Concentration	Specific Concentration Limits	M factor	Acute toxicity estimate
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	200-661-7	30-50%			
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	926-141-6	10-30%			
Propane, <0.1% 1,3-Butadiene	74-98-6	200-827-9	10-30%			
Butane, <0.1% 1,3 Butadiene	106-97-8	203-448-7	10-30%			

	Categories	Symbols	H Statements	REACH Registration Number
propan-2-ol; isopropyl alcohol; isopropanol	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	GHS02 GHS07	H225 H336 H319	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Flam. Liq. 3 Asp. Tox. 1	GHS02	H226;H304	
Propane, <0.1% 1,3-Butadiene	Flam. Gas 2 Press. Gas	GHS02 GHS04	H220	
Butane, <0.1% 1,3 Butadiene	Flam. Gas 2 Press. Gas	GHS02 GHS04	H220	01-2119474691-32

SECTION 4: First aid measures

4.1 Description of first aid measures

Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water for several minutes
P337+P313 - If eye irritation persists: Get medical advice/attention.

Contact with skin

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water [or shower].

Ingestion

P331 - Do NOT induce vomiting.
Give 200-300mls (half pint) water to drink
When in doubt or symptoms persist, seek medical attention

Inhalation

Remove patient to fresh air
When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Asphyxiant
- Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

4.3 Indication of any immediate medical attention and special treatment needed

- Seek medical attention if ill effects occur
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SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture

- Extremely Flammable
- May give off noxious and toxic fumes in a fire
- May form explosive vapour/air mixtures
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders

5.3 Advice for firefighters

- P281 - Use personal protective equipment as required.
 - Inform Fire Brigade of potential danger of exploding and rocketing cylinders
-

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

SECTION 6: Accidental release measures (....)

- P281 - Use personal protective equipment as required.
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Ensure adequate ventilation

6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses
- Use appropriate containment to avoid environmental contamination

6.3 Methods and material for containment and cleaning up

- P381 - In case of leakage, eliminate all ignition sources.
- Absorb spillage in suitable inert material

6.4 Reference to other sections

- See Section 2, 8, 13
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SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- When using do not smoke
- P242 - Use non-sparking tools.
- Ensure adequate ventilation
- P211 - Do not spray on an open flame or other ignition source.
- In confined spaces, sewers, etc., the vapours may collect to form explosive mixtures with air

7.2 Conditions for safe storage, including any incompatibilities

- P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
- Keep away from oxidisers, heat, flames or ignition sources
- Storage Class (TRGS 510): 2B

7.3 Specific end use(s)

- Cleaning agent
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- No exposure limits have been set for this substance

propan-2-ol; isopropyl alcohol; isopropanol

TLV (TWA): 200 ppm (ACGIH)

TLV (STEL): 400 ppm (ACGIH)

WEL (long term): 999 mg/m³ (UK)

WEL (short term): 1250 mg/m³ (UK)

Propane, <0.1% 1,3-Butadiene

TLV (TWA): 1000 ppm (ES)

Butane, <0.1% 1,3 Butadiene

SECTION 8: Exposure controls/personal protection (....)

WEL (long term): 1450 mg/m³ (UK EH40)

WEL (short term): 1810 mg/m³ (UK EH40 15 min)

TLV (TWA): 1000 ppm (ES)

8.2 Exposure controls

- Ensure adequate ventilation
 - P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 - P281 - Use personal protective equipment as required.
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Physical state: aerosol
- Colour: colourless
- Odour: Characteristic odour
- Melting point/Range: -89.5 °C at 1 atmospheres
- Boiling Point/Range: 82 °C at 1 atmospheres
- Flammability: -40 °C at 1 atmospheres, Extremely Flammable
- pH: not applicable
- Solubility in water: Insoluble in water
- Density: not available

propan-2-ol; isopropyl alcohol; isopropanol

Melting point/Range: -88 °C to -88 °C at 760 mm /Hg

Boiling Point/Range: 82 °C to 83 °C at 760 mm /Hg

Flashpoint: 12 °C (CC) at 100 per cent by volume

Evaporation Rate: 1.5

Relative density: 0.79

Propane, <0.1% 1,3-Butadiene

Melting point/Range: -187.6 °C at 1 atmospheres

Boiling Point/Range: -42.1 °C at 1 atmospheres

Flashpoint: -104 °C at 1 atmospheres

Butane, <0.1% 1,3 Butadiene

Melting point/Range: -138.3 °C at 1 atmospheres

Boiling Point/Range: -0.5 °C at 1 atmospheres

Flashpoint: -60 °C at 1 atmospheres

9.2 Other information

- No information available
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SECTION 10: Stability and reactivity

SECTION 10: Stability and reactivity (....)

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose
- Vapours may ignite

10.4 Conditions to avoid

- Keep away from heat and sources of ignition
- P410 - Protect from sunlight.
- Keep away from strong oxidizing substances

10.5 Incompatible materials

- Incompatible with strong oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include toxic fumes
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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Estimated LD₅₀ (oral) (ATE) : >2000 mg/kg

Estimated LD₅₀ (dermal) (ATE) : >4000 mg/kg

Estimated LD₅₀ (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

Skin corrosion/irritation

May cause irritation

Serious eye damage/irritation

May cause redness and irritation

Respiratory or skin sensitisation

Vapours may cause drowsiness and dizziness

Causes breathing difficulty

Germ cell mutagenicity

No information available

Carcinogenicity

No information available

Reproductive toxicity

No information available

SECTION 11: Toxicological information (....)

STOT (specific target organ toxicity) - single exposure

H336 - May cause drowsiness or dizziness.

STOT (specific target organ toxicity) - repeated exposure

Repeated exposure may cause skin dryness or cracking

Aspiration hazard

Aspiration hazard

11.2 Information on other hazards

- No information available
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SECTION 12: Ecological information

12.1 Toxicity

- No information available

propan-2-ol; isopropyl alcohol; isopropanol

IC₅₀ (algae): >100 mg/l (72 hr)

Propane, <0.1% 1,3-Butadiene

IC₅₀ (algae): 20.586 mg/l (72 hr)

EC₅₀ (daphnia): 29.662 mg/l (48 hr)

LC₅₀ (fish): 53.141 mg/l (96 hr)

Butane, <0.1% 1,3 Butadiene

IC₅₀ (algae): 12.405 mg/l (72 hr)

EC₅₀ (daphnia): 14.818 mg/l (48 hr)

LC₅₀ (fish): 25.37 mg/l (96 hr)

12.2 Persistence and degradability

- Biodegradable

12.3 Bioaccumulative potential

- Low bioaccumulation potential

12.4 Mobility in soil

- This substance is volatile
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Insoluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- This product does not contain any known or suspected endocrine disruptors

12.7 Other adverse effects

SECTION 12: Ecological information (....)

- No information available
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
 - Avoid release to the environment. Refer to special instructions/Safety data sheets
 - Do not pierce or burn container, even after use
 - Do not reuse empty containers
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SECTION 14: Transport information



14.1 UN number or ID number

- UN No.: 1950

14.2 UN proper shipping name

- Proper Shipping Name: AEROSOLS, flammable

14.3 Transport hazard class(es)

- Hazard Class: 2

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

14.6 Special precautions for user

- ADR Classification Code: 5F
- Tunnel Restriction Code: D

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Water Hazard Class (Company): 1

propan-2-ol; isopropyl alcohol; isopropanol

Water Hazard Class (Official): 1

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

SECTION 15: Regulatory information (....)

Water Hazard Class (Official): Not classified

Propane, <0.1% 1,3-Butadiene

Water Hazard Class (Official): Not hazardous

Butane, <0.1% 1,3 Butadiene

Water Hazard Class (Official): Not hazardous

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H220: Extremely flammable gas. H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.

The information supplied in this safety data sheet is designed only as guidance for the safe use, storage and handling of the product. This 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 related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.