

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

1.1. Product identifier

Product form : Mixture
Trade name : Weld-thru primer copper 400ml
Product code : TSP 530

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use
Use of the substance/mixture : Non industrial spraying
Industrial spraying
Function or use category : Coatings and paints, thinners, paint removers

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Chemicar Europe NV
Baarbeek 2
2070 Zwijndrecht
T +32 (0) 3 234 87 80 - F +32 (0) 3 234 87 89
info@chemicar.eu

1.4. Emergency telephone number

Emergency number : +32 (0) 3 760 08 09

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1	H222;H229
Serious eye damage/eye irritation, Category 2	H319
May cause respiratory irritation. May cause drowsiness or dizziness.	H335-336
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

Signal word (CLP) :

Danger

Contains :

propane; 4-methylpentan-2-one; isobutyl methyl ketone; acetone; propan-2-one; propanone

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Hazard statements (CLP)	: H222 - Extremely flammable aerosol. H229 - Pressurised container: May burst if heated. H335 - May cause respiratory irritation. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P251 - Do not pierce or burn, even after use. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P211 - Do not spray on an open flame or other ignition source. P280 - Wear protective gloves, eye protection. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P264 - Wash hands, forearms and face thoroughly after handling. P273 - Avoid release to the environment. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTRE or doctor if you feel unwell. P337+P313 - If eye irritation persists: Get medical advice/attention. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.

Scandinavian countries regulation

Denmark

MAL code

: 5-3

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetone; propan-2-one; propanone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8	25 – 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
butane	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index-No.) 601-004-00-0	10 – 25	Flam. Gas 1A, H220 Press. Gas
propane	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index-No.) 601-003-00-5	10 – 25	Flam. Gas 1A, H220 Press. Gas
Hydrocarbons,C9,aromatics	(CAS-No.) 128601-23-0 (EC-No.) 918-668-5	10 – 25	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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4-methylpentan-2-one; isobutyl methyl ketone	(CAS-No.) 108-10-1 (EC-No.) 203-550-1 (EC Index-No.) 606-004-00-4	2.5 – 10	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 STOT SE 3, H335
isobutane (containing $\geq 0,1\%$ butadiene (203-450-8))	(CAS-No.) 75-28-5 (EC-No.) 200-857-2 (EC Index-No.) 601-004-01-8	2.5 – 10	Flam. Gas 1A, H220 Press. Gas Carc. 1A, H350 Muta. 1B, H340
Copper	(CAS-No.) 7440-50-8 (EC-No.) 231-159-6	2.5 – 10	Aquatic Acute 1, H400; Aquatic Chronic 3, H412

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: No irritant effect.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. Rinse opened eye for several minutes under running water. Then consult doctor.
First-aid measures after ingestion	: Do not induce vomiting. Immediately call a POISON CENTER/doctor.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Alcohol resistant foam. extinguishing powder. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting	: Approved respirator.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources.
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6.1.1. For non-emergency personnel

Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
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6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

For containment : Provide adequate ventilation.
Methods for cleaning up : Do not flush with water.

6.4. Reference to other sections

SECTION 7. SECTION 8. SECTION 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Handle and open container with care. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep in a cool place. Protect from sunlight. Protect from heat and direct sunlight.
Special rules on packaging : Container should not be closed gas-tight. Store in a closed container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace		
67-64-1 Acetone		
IOELV	Long-term value: 1210 mg/m ³ , 500 ppm	
108-10-1 4-methylpentan-2-one		
IOELV	Short-term value: 208 mg/m ³ , 50 ppm Long-term value: 241 mg/m ³ , 50 ppm	
DNELs		
67-64-1 Acetone		
Oral	DNEL Long term-systemic	62 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	62 mg/kg bw/day (Consumer)
		186 mg/kg bw/day (Worker)
Inhalative	DNEL Acute-local	2420 mg/m ³ (Worker)
	DNEL Long term-systemic	200 mg/m ³ (Consumer) 1210 mg/m ³ (Worker)
128601-23-0 Hydrocarbons,C9,aromatics		
Oral	DNEL Long term-systemic	11 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	11 mg/kg bw/day (Consumer) 25 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	32 mg/m ³ (Consumer)
		100mg/m ³ (Worker)

PNECs	
67-64-1 Acetone	
PNEC Marine water	1.06 mg/l (Undefined)
PNEC Freshwater sediment	30.4 mg/l(dry weight) (Undefined)
PNEC Soil	29.5 ug/kg (Undefined)
PNEC Marine water sediment	3.04 mg/l(dry weight) (Undefined)

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7440-50-8 copper

PNEC Freshwater	0.0078 mg/l (Undefined)
PNEC Marine water	0.0052 mg/l (Undefined)
PNEC Freshwater sediment	87 mg/l(dry weight) (Undefined)
PNEC Sewage Treatment Plant	0.23 mg/l (Undefined)
PNEC Marine water sediment	676 mg/l(dry weight) (Undefined)

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Remove contaminated clothes. Wash hands before breaks and after work. Do not breathe gas/vapour/aerosol. Avoid contact with eyes. Avoid contact with skin and eyes.

Personal protective equipment:

Gloves. Protective goggles.

Materials for protective clothing:

Condition	Material	Standard
		EN 13034

Hand protection:

Wear gloves according to EN374 resistant to the solvent(s) in use.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Nitrile rubber gloves	Nitrile rubber (NBR)	5 (> 240 minutes), 6 (> 480 minutes)	> 0.5		EN ISO 374

Eye protection:

EN 166

Skin and body protection:

Wear suitable protective clothing. EN 13034

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Gas filters	Filter AX (brown)	Short term exposure	
Gas filters	Type A - High-boiling (>65 °C) organic compounds, Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust	Long term exposure	

Personal protective equipment symbol(s):



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Appearance	: Aerosol.
Colour	: No data available
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: -44.5 °C
Flash point	: -97 °C
Auto-ignition temperature	: 365 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not self-igniting
Vapour pressure	: 4 bar
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.717 g/cm ³
Solubility	: Practically not miscible.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Lower explosive limit (LEL)	: 0.7 vol %
Upper explosive limit (UEL)	: 13 vol %

9.2. Other information

VOC content : 652 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

LD/LC50 values relevant for classification		
67-64-1 Acetone		
Oral	LD 50	5800 mg/kg (Rat)
Dermal	LD 50	7800 mg/kg (Rabbit)
Inhalative	LC50/4h	>20 mg/l (Rat)
128601-23-0 Hydrocarbons,C9,aromatics		
Oral	LD50	3492 mg/kg (Rat)
Dermal	LD50	>3160 mg/kg (Rabbit)
Inhalative	LC50/4h	>6193 mg/l (Rat) (Acute Inhalation Toxicity)
108-10-1 4-methylpentan-2-one		
Oral	LD50	2100 mg/kg (Rat)
Dermal	LD50	16000 mg/kg (Rabbit)
Inhalative	LC50/4h	8.3-16.6 mg/l (Rat)
64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5000 mg/kg (Rat)
Dermal	LD50	>3000 mg/kg (Rabbit)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water	: Harmful to aquatic life.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

Aquatic toxicity	
67-64-1 Acetone	
EC50	8800 mg/l (Daphnia magna) 8300 mg/l (Fish)
128601-23-0 Hydrocarbons,C9,aromatics	
NOELR (72h) EL50 (48h) LL50 (96h)	1 mg/l (Pseudokirchneriella subcapitata) 3.2 mg/l (Daphnia magna) 9.2 mg/l (Onc)
7440-50-8 copper	
NOEC (96h) LC50(96h)	11 mg/l (Fish) 11 mg/l (Fish)

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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations





13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations. Do not dispose of with domestic waste. Do not discharge into drains.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN
14.1. UN number			
UN UN1950	UN UN1950	UN UN1950	UN UN1950
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
Transport document description			
UN UN1950 , 2.1, (D)	UN UN1950 , 2.1	UN UN1950 , 2.1	UN UN1950 , 2.1
14.3. Transport hazard class(es)			
2.1	2.1	2.1	2.1
			
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available			

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14.6. Special precautions for user

Overland transport

Classification code (ADR)	: 5F
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Tunnel restriction code (ADR)	: D

Transport by sea

Transport regulations (IMDG)	: Subject to the provisions
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E0
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

Air transport

No data available

Inland waterway transport

Classification code (ADN)	: 5F
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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content	: 652 g/l
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15.1.2. National regulations

Netherlands

Waterbezwaarlijkheid	: 1 - Black list substance
Saneringsinspanningen	: A - In principe niet lozen; zo ja, dan toepassen van beste bestaande technieken
SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed

Denmark

Class for fire hazard	: Class I-1
Store unit	: 1 liter
Classification remarks	: F+ <Aerosol 1>; Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No additional information available

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SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1A	Carcinogenicity, Category 1A
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Muta. 1B	Germ cell mutagenicity, Category 1B
Press. Gas	Gases under pressure
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.