



CT-90 Cutting and Tapping Fluid

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 453/2010

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	CT-90 Cutting and Tapping Fluid.
Trade Name	CT-90 Cutting and Tapping Fluid.
Part No.	1846
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.

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

Identified use(s)	Extreme pressure rated lubricant for metal cutting.
Uses advised against	Do not mix with water.

1.3 Details of the supplier of the Safety Data Sheet

Company Identification	Action Can Ltd., Dixon Close, Old Boston Trading Estate, Haydock, St. Helens, Merseyside. Wa11 9SF.
Telephone	01942 713667
Fax	01942 716235
E-Mail (competent person)	info@actioncan.com

1.4 Emergency telephone number

Emergency Phone No.	01942 713667 (Mon – Fri: 9am to 5pm)
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2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Directive 67/548/EEC & Directive 1999/45/EC	F+; Extremely flammable. Repeated exposure may cause skin dryness or cracking.
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2.2 Label elements

Product Name	According to Directive 67/548/EEC & Directive 1999/45/EC
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Hazard Symbol	CT-90 Cutting and Tapping Fluid.
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F+

Risk Phrases	R12: Extremely flammable. R66: Repeated exposure may cause skin dryness or cracking.
Safety Phrases	S2: Keep out of the reach of children. S16: Keep away from sources of ignition - No smoking. S23: Do not breathe vapour/spray. S43: In case of fire, use: Extinguish preferably with dry chemical, sand or carbon dioxide. S51: Use only in well-ventilated areas.



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Additional Information

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.

2.3 Other hazards

May cause irritation to eyes and air passages.

2.4 Additional Information

None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol

3.1 Mixtures

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Distillates (petroleum), hydrotreated heavy naphthenic	75	64742-52-5	265-155-0	None assigned	None
Petroleum gas, liquefied	25	68476-85-7	270-704-2	None assigned	F+; R12

3.2 Additional Information

For full text of R phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Move person to fresh air. If symptoms persist, obtain medical attention.

Skin Contact

Wash skin with soap and water. If symptoms persist, obtain medical attention.

Eye Contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.

Ingestion

Unlikely route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

Unlikely to be required but if necessary treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

No special requirements.



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5. SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 Extinguishing Media**
 Suitable Extinguishing Media Extinguish preferably with dry chemical, sand or carbon dioxide.
 Unsuitable Extinguishing Media Water.
- 5.2 Special hazards arising from the substance or mixture**
 Heating may cause pressure rise with risk of bursting. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Oxides of nitrogen, Smoke.
- 5.3 Advice for fire-fighters**
 Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Cool burning stock with water spray to cool and reduce the risk of aerosol bursting.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Eliminate sources of ignition. Caution - spillages may be slippery. Stop leak if safe to do so.
- 6.2 Environmental precautions** Do not allow to enter drains, sewers or watercourses.
- 6.3 Methods and material for containment and cleaning up** Place leaking cans in a bucket or pail to minimise product contamination of surfaces. Leaked product will render floors very slippery. Adsorb spillages onto sand.
- 6.4 Reference to other sections** See Also Section 7, 8, 13.

7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Ensure adequate ventilation. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Do not pierce or burn, even after use. Do not breathe vapour/spray. Wash hands thoroughly after handling. Keep out of reach of children.
- 7.2 Conditions for safe storage, including any incompatibilities**
 Storage Temperature Protect from sunlight. Store in a dry place. Keep in a well ventilated place.
 Storage Life Do not expose to temperatures exceeding 50°C/ 122°F.
 Incompatible materials Stable under normal conditions.
 Strong oxidising agents, Strongly alkaline, Strongly acidic.
- 7.3 Specific end use(s)** Extreme pressure rated lubricant for metal cutting.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION




- 8.1 Control parameters**
8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	-	5	-	10	-
Petroleum gas, liquefied	68476-85-7	1000	1750	1250	2180	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)



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8.1.2 Biological limit value	Not established.
8.1.3 PNECs and DNELs	Not established.
8.2 Exposure controls	
8.2.1 Appropriate engineering controls	Provide adequate ventilation.
8.2.2 Personal protection equipment	
Eye/face protection	Not normally required. Wear eye protection with side protection (EN166).
	
Skin protection (Hand protection/Other)	Not normally required. Wear suitable gloves if prolonged skin contact is likely.
	
Respiratory protection	Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.
	
Thermal hazards	Not applicable.
8.2.3 Environmental Exposure Controls	Do not allow to enter drains, sewers or watercourses.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Aerosol.
Colour	Clear, Colourless.
Odour	Odourless.
Odour Threshold	Not applicable.
pH	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	250°C (bulk product before aerosol packing)
Evaporation rate	Not available.
Flammability (solid, gas)	Extremely flammable.
Upper/lower flammability or explosive limits	0.8 – 9.0Vol-% @ 25°C
Vapour pressure	2.41 bar
Vapour density	Not available.
Relative density	0.81 (bulk product before aerosol packing)
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Contains gas under pressure; may explode if heated.
Oxidising properties	Not oxidising.
9.2 Other information	None.



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10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Stable under normal conditions.
10.4	Conditions to avoid	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
10.5	Incompatible materials	Strong oxidising agents, Strongly alkaline, Strongly acidic.
10.6	Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide, Oxides of nitrogen, Smoke.

11. SECTION 11: TOXICOLOGICAL INFORMATION

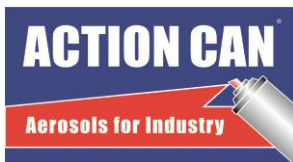
11.1	Information on toxicological effects	
11.1.1	Mixtures	
	Acute toxicity	Low acute toxicity.
	Irritation	Distillates (petroleum), hydrotreated heavy naphthenic: Oral: LD50 (rat) <5000mg/kg May cause irritation to eyes and air passages. Repeated exposure may cause skin dryness or cracking.
	Corrosivity	Not classified.
	Sensitisation	It is not a skin sensitiser.
	Repeated dose toxicity	None anticipated.
	Carcinogenicity	No evidence of carcinogenicity.
	Mutagenicity	There is no evidence of mutagenic potential.
	Toxicity for reproduction	None anticipated.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	The product is poorly biodegradable.
12.3	Bioaccumulative potential	No information available.
12.4	Mobility in soil	Insoluble in water. Floats on water.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation.



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14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number	UN 1950 (EEC tariff No. 340399-10)
14.2 UN proper shipping name	AEROSOLS.
ADR/RID/ADN/IMDG	AEROSOLS, FLAMMABLE.
ICAO/IATA	2.1
14.3 Transport hazard class(es)	None.
14.4 Packing Group	Not classified as a Marine Pollutant.
14.5 Environmental hazards	None.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
14.8 Additional Information	
14.8.1 ADR Hazard label(s)	2.1
14.8.2 ADR/RID Item No	5F
14.8.3 ADR/RID Marginal	2201
14.8.4 Limited Quantity (LQ)	Limited Quantity provisions apply.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations	
Authorisations and/or restrictions on use	
Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
REACH: ANNEX XIV LIST OF SUBSTANCES SUBJECT TO AUTHORISATION	All chemicals are not listed.
REACH: ANNEX XVII RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES	All chemicals are not listed.
Community Rolling Action Plan (CoRAP); Draft 11/11/2011	All chemicals are not listed.
Other EU regulations	<ul style="list-style-type: none">• COSHH - Control of Substances Hazardous to Health• CHIP - Chemicals (Hazard Information and Packaging) Regulations• Rivers (Prevention of Pollution) Act 1961• Control of Pollution (Special Waste Regulations) 1980
15.1.2 National regulations	None known.
15.2 Chemical Safety Assessment	Not available.



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16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
F+	Extremely flammable

Risk Phrases and Safety Phrases

R12 Extremely flammable.

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

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Annex to the extended Safety Data Sheet (eSDS)

No information available.