



## CT-90 Cutting and Tapping Compound **SAFETY DATA SHEET**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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

<b>1.1 Product identifier</b>	
Product Name	CT-90 Cutting and Tapping Compound.
Trade Name	CT-90 Cutting and Tapping Compound.
Part No.	1528
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	Cutting, drilling, thread cutting of hard metals.
Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
Company Identification	Action Can Ltd., Dixon Close, Old Boston Trading Estate, Haydock, St. Helens, Merseyside. WA11 9SF. 00 44 1942 713667 01942 716235 info@actioncan.com
Telephone	
Fax	
E-Mail (competent person)	
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	01942 713667 (Mon - Fri: 9am to 5pm)

### 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)</b>	Aquatic Acute 1; Very toxic to aquatic life. Aquatic Chronic 1; Very toxic to aquatic life with long lasting effects. EUH066: Repeated exposure may cause skin dryness or cracking.
<b>2.2 Label elements</b>	According to Regulation (EC) No. 1272/2008 (CLP) CT-90 Cutting and Tapping Compound.
Product Name	
Hazard Pictogram(s)	
Signal Word(s)	GHS09 Warning.
Hazard Statement(s)	H410: Very toxic to aquatic life with long lasting effects. EUH066: Repeated exposure may cause skin dryness or cracking.
Precautionary Statement(s)	P273: Avoid release to the environment.



## CT-90 Cutting and Tapping Compound

P391: Collect spillage.  
P501: Dispose of contents/container to: Suitable refuse site.

### 2.3 Other hazards

None.

### 2.4 Additional Information

Do not keep cloths contaminated with this product in overall pockets or keep next to skin.  
For full text of H/P statements see section 16.

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Alkanes, C14-17, chloro	50 - 60	85535-85-9	287-477-0	01-2119519269-33-0000	Lact.; H362, GHS09, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, EUH066
Distillates (petroleum), solvent-dewaxed heavy paraffinic	10 - 20	64742-65-0	265-169-7	01-2119471299-27-0000	None
Distillates (petroleum), hydrotreated heavy naphthenic	0.5 - 1	64742-52-5	265-155-0	01-2119467170-45-0000	None
Terpineol	0.5 - 1	8000-41-7	232-268-1	01-2119553062-49-0000	GHS07, Skin Irrit. 2; H315, Eye Irrit. 2; H319
Calcium long-chain alkaryl sulfonate	0.5 - 1	115733-10-3	None assigned	None assigned	GHS07, Acute Tox. 4; H302, Skin Sens. 1; H317, Eye Irrit. 2; H319, GHS08, Resp. Sens. 1; H334
Dipentene	0 - 0.5	138-86-3	205-341-0	None assigned	GHS02, Flam. Liq. 3; H226, GHS07, Skin Irrit. 2; H315, Skin Sens. 1; H317, GHS09, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

### 3.2 Additional Information

NOTE: THE PRODUCT CONTAINS LESS THAN 3% DMSO.

For full text of H/P statements see section 16.



## CT-90 Cutting and Tapping Compound

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash skin with soap and water.
Eye Contact	Flush eyes with water for at least 15 minutes while holding eyelids open.
Ingestion	Wash out mouth with water.

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

None anticipated.

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

Unlikely to be required but if necessary treat symptomatically.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

Very low flammability potential.

#### 5.1 Extinguishing Media

Suitable Extinguishing Media	Extinguish preferably with foam, carbon dioxide or dry chemical.
Unsuitable Extinguishing Media	None known.

#### 5.2 Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapours.

#### 5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wash hands thoroughly after handling.

#### 6.2 Environmental precautions

Avoid release to the environment.

#### 6.3 Methods and material for containment and cleaning up

Small spillages: Wipe up remainder then remove to safe place.  
Large spillages: Contain spillages with sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal.

#### 6.4 Reference to other sections

See Also Section: 8, 13.

### 7. SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely. Wash hands thoroughly after handling.

#### 7.2 Conditions for safe storage, including any incompatibilities

Storage Temperature	Ambient.
Storage Life	Stable under normal conditions.
Incompatible materials	None anticipated.

#### 7.3 Specific end use(s)

Lubricant for metal cutting.



## CT-90 Cutting and Tapping Compound

### 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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
None assigned						

**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.



Skin protection (Hand protection/ Other) Wear suitable gloves if prolonged skin contact is likely.



Respiratory protection No personal respiratory protective equipment normally required.



Thermal hazards Not applicable.

**8.2.3 Environmental Exposure Controls** Avoid release to the environment.

### 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties**

Appearance	Solid (Pastes).
Colour	Brown.
Odour	Characteristic.
Odour Threshold	Not established.
pH	Not applicable.
Melting Point/Freezing Point	Not applicable.
Initial boiling point and boiling range	Not applicable.
Flash Point	<150°C
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	<250°C



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Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
<b>9.2 Other information</b>	None.

### 10. SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No hazardous reaction known if used for its intended purpose.
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible materials</b>	None anticipated.
<b>10.6 Hazardous Decomposition Product(s)</b>	No hazardous decomposition products known.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>11.1.1 Mixtures</b>	
<b>Acute toxicity</b>	Low acute toxicity. Alkanes, C14-17, chloro: LD50 (Oral) (rat) >4000mg/kg bw LD50(Dermal) (rabbit) >10ml/kg bw
<b>Irritation</b>	Non-irritant. Repeated exposure may cause skin dryness or cracking.
<b>Corrosivity</b>	Not classified.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	None anticipated.
<b>Carcinogenicity</b>	No evidence of carcinogenicity.
<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Toxicity for reproduction</b>	Not classified.
<b>11.2 Other information</b>	None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Aquatic Acute 1; Very toxic to aquatic life. Aquatic Chronic 1; Very toxic to aquatic life with long lasting effects.
<b>12.2 Persistence and degradability</b>	Part of the components are poorly biodegradable. Alkanes, C14-17, chloro: Biodegradation: 43% (28 days)
<b>12.3 Bioaccumulative potential</b>	The product has high potential for bioaccumulation. Alkanes, C14-17, chloro: Bioconcentration factor (BCF) : 6660l/kg
<b>12.4 Mobility in soil</b>	Insoluble in water. The product is predicted to have low mobility in soil.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	None known.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Dispose of contents/container to: Suitable refuse site. Dispose of this material and its container as hazardous waste. Consult an accredited waste disposal contractor or the local authority for advice.
<b>13.2 Additional Information</b>	Disposal should be in accordance with local, state or national legislation.



## CT-90 Cutting and Tapping Compound

### 14. SECTION 14: TRANSPORT INFORMATION

14.1	<b>UN number</b>	UN 3077
14.2	<b>UN Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains: Alkanes, C14-17, Chloro, Dipentene)
14.3	<b>Transport hazard class(es)</b>	9
14.4	<b>Packing Group</b>	III
14.5	<b>Environmental hazards</b>	The product is packed in steel containers of 480gms the possibility of serious environmental damage is remote.
14.6	<b>Special precautions for user</b>	None.
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
14.8	<b>Additional Information</b>	
	ADR/RID	Hazard Identification Number: 90 Tunnel Restriction Code: (E)
	IMDG	EmS: F-A S-F
	ICAO/IATA	Packing instruction (Cargo): 956, Maximum quantity: 400kg Packing instruction (Passenger): 956, Maximum quantity: 400kg

### 15. SECTION 15: REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
15.1.1	<b>EU regulations</b>	
	Authorisations and/or restrictions on use	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
	REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
	Community Rolling Action Plan (CoRAP)	Listed: Alkanes, C14-17, Chloro (CAS No.: 85535-85-9)
15.1.2	<b>National regulations</b>	None known.
15.2	<b>Chemical Safety Assessment</b>	Not applicable.

### 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
LD50	Median lethal dose
Acute Tox. 4	Acute toxicity Category 4
Aquatic Acute 1	Hazardous to the aquatic environment Acute Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment Chronic Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2
Flam. Liq. 3	Flammable liquid Category 3
Lact.	Effects via lactation.



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Resp. Sens. 1	Respiratory or skin sensitization Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Respiratory or skin sensitization Category 1
ADR/RID	Regulations Concerning the International Carriage of Dangerous Goods by Rail/ European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Code for Dangerous Goods
ICAO/IATA	International Civil Aviation Organization/ International Air Transport Association

### Hazard statement(s)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H362	May cause harm to breast-fed children.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

### 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)

Not applicable.