

ALEC TIRANTI LIMITED

TOOLS, MATERIALS & EQUIPMENT FOR MODELLING, CARVING, SCULPTURE

3 Pipers Court, Berkshire Drive,
Thatcham, Berks RG19 4ER
Tel: 0845 123 2100 Fax: 0845 123 2101



London Shop: 27 Warren Street
London W1T 5NB
Tel & Fax: 020 7380 0808

Material Safety Data Sheet

CA28

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION

1.1 Product identifier

Product name: CA28
INDEX No.: -
EC number: 273-028-6
CAS number: 68928-76-7

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

Intended Use: Curing Agent

1.3 Details of the supplier of the safety data sheet

Name: Acc Silicones LTD
Full address: Amber House, showground road, Bridgwater, TA6 6AJ

1.4 Emergency Telephone Number

For Urgent enquiries: +44(0)1278411400

2 HAZARD IDENTIFICATION

2.1 Classification of the Substance or Mixture

The product is classified as hazardous pursuant to the provisions set forth in directives 67/548/EEC and 1999/45/EC and/or EC regulation 1272/2008 (CLP) (and subsequent amendments and supplements) The product thus requires a safety datasheet that's complies with the provisions of EC regulation 1907/2006 and subsequent amendments

Any additional information concerning the risks for health and/or the environment are given sections 11 and 12 of this sheet

2.1.1 Regulation 1272/2008 (CLP) and following amendments and adjustments

Hazard classification and indication:

Repr.2: H361d
Acute Tox. 4: H302
STOT RE1: H372
Aquatic Chronic 4: H413

2.1.2 Directive 1272/2008 (CLP) and following amendments and adjustments

Danger symbols: T
R phrases: 22-48/25/53/63

The full wording of the risk (R) and hazard (H) phrases is given in section 16 of the sheet

2.2 Label Elements

Hazard Labelling pursuant to EC regulation 1272/2008 (CLP) and subsequent amendments and supplements

Hazard pictograms:

Signal words: Danger

Hazard Statement: H361d: suspected of harming the unborn child

H302: Harmful if swallowed

H372: Causes damage to organs < state all organs affected, if known > through prolonged exposure < state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard >

H413: may cause long lasting harmful effects to aquatic life

Precautionary Statement:

P201: Obtain special instructions before using

P270: do not eat, drink or smoke when using this product

P273: Avoid release to the environment

P301+312: IF SWALLOWED: call a POSITION CENTRE or doctor / physician if you feel unwell

P330: rinse mouth

Contains: DIMETHYLTIN NEODECANOATE

Nr. EC: 273-028-6

2.3 Other Hazards

No information available

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Contains:

Identification	Conc%	Classification 67/548/EEC	Classification 1272/2008(CLP)
DIMETHYLTIN NEODECANOATE CAS. 68928-76-7	100	R53, T R48/25, Xn R22, Xn R63	Repr.2 H361d, Acute tox.4 H302, STOT RE1 H372, Aquatic Chronic 4 H413.
EC. 273-028-6 INDEX. –			

T+= very toxic(T+), T= Toxic(T), Xn= Harmful(Xn), C=corrosive(C), Xi=irritant(Xi), O=oxidising(O), E=explosive(E), F+=Extremely flammable(F+), F=highly flammable(F), N=dangerous for the environment.

The full wording of the risk (R) and hazard (H) phrases given in section 16 of the sheet.

3.2 Mixtures

Information not relevant

4 FIRST AID MEASURES

4.1 Description of First Aid measures

EYES:	irrigate copiously with clean, fresh water at 15 minutes. Seek medical advice
SKIN:	Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.
INHALATION:	Remove to open air. If breathing is irregular, seek medical advice.
INGESTION:	Obtain immediate medical attention. Induce vomiting only if indicated by a doctor. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects

For symptoms and effects caused by the contained substances see chap. 11

4.3 Indication of any immediate medical attention and special treatment needed

Information not available

5 FIRE FIGHTING MEASURES

5.1 Extinguishing Media

SUITABLE EXTINGUISHING MEDIA

Use extinction equipment containing carbon dioxide, foam and chemical powders. For product leaks and spills that do not catch fire, nebulised water can be used to dispel flammable fumes and protect the individuals taking part in stemming the leak.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

Do not use water.

5.2 Special Hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products (carbon dioxide, toxic pyrolysis products, etc.)

5.3 Advice for firefighters

GENERAL INFORMATION

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressures) and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Hardhat or visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and antistatic), self-respirator (self protector).

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions

The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

6.3 Methods and material for containment and cleaning up

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using water jets. Contaminated material should be disposed of in compliance with the provisions set forth in point 13

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13

7 HANDLING & STORAGE

7.1 Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Do not eat, drink or smoke during use.

7.2 Conditions for safe storage, including any incompatibilities

Normal storage conditions without particular incompatibilities

7.3 Specific end use(s)

Information not available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Name	Type	Country TWA/8h		STEL / 15min	
		Mg/m ³	ppm	Mg/m ³	ppm
DIMETHYLTIN NEODECANOATE	WEL	2		4	

8.2 Exposure controls

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration. Personal protection equipment must comply with the rules in force indicated below.

Respiratory protection: If the threshold value (if available) for one or more substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with a B or universal filter, the class (1,2 or 3) of which must be chosen according to the limit concentration of use (ref. standard EN141)

The use of respiratory tract protection equipment, such as masks like that indicated above, is necessary to reduce worker exposure in the absence of technical measures. The protection provided by masks is in any case limited.

If the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open circuit compressed air breathing apparatus (ref. standard EN137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. standard EN138)

Eye protection: Use of protective goggles (ref. standard EN166) recommended.

Hand protection: Protect hands with category I (ref. directive 89/686/EEC and standard EN374) work gloves, such as those in latex, PVC or equivalent. The following should be considered when choosing gloves material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves limit depends on the duration of exposure.

Skin protection: Wear Category I professional long-sleeved overalls and safety footwear (ref. directive 89/686/EEC and standard EN344). Wash body with soap and water after removing overalls.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	liquid
Colour:	straw coloured
Odour:	Characteristic
Odour threshold:	not available
pH.:	not available
Melting or freezing point:	not available
Initial boiling range:	not available
Boiling range:	not available
Flash Point:	> 150°C
Evaporation rate:	not available
Flammability of solids and gases:	not available
Lower flammability limit:	not available
Upper flammability limit:	not available
Lower explosive limit:	not available
Upper explosive limit:	not available
Vapour pressure:	not available
Vapour density:	not available
Specific Gravity:	1.140 kg/l
Solubility:	immiscible with water
Partition coefficient: n-octanol/water:	not available
Ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	not available
Reactive properties:	not available

9.2 other information

Information not available

10 STABILITY AND REACTIVITY

10.1 Reactivity

There is no particular risk of reaction with other substances in normal conditions of use

10.2 Chemical Stability

The product is stable in normal conditions of use and storage

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage

10.4 Conditions to avoid

None in particular, however the usual precautions used for chemical products should be respected

10.5 Incompatible materials

Information not available

10.6 Hazardous decomposition products

In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

This product must be handled carefully because of its possible teratogenic effects, which may be toxic and damage the foetus development.

Acute effects: ingestion of this product is harmful. Even small amounts of product may cause serious health problems (stomach pain, nausea, sickness, diarrhea)

This product may cause functional disorders or morphological mutations after repeated exposure and/or may accumulate inside the human body and is thus graded as dangerous

DIMETHYLTIN NEODECANOATE

LD50 (oral): 894mg/kg OECD test guideline 401

12 ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1 Toxicity

Information not available

12.2 Persistence and degradability

Information not available

12.3 Bioaccumulative potential

Information not available

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

Information not available

12.6 Other adverse effects

Information not available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations

14 TRANSPORT INFORMATION

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions of the Code of International Carriage of Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packagings made of material resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and Rail transport

ADR/RID Class:	9
UN:	3082
Packing group:	III
Label:	9
Tunnel restriction code:	(E)
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (DIMETHYLTIN NEODECANOATE)

Carriage by Sea

IMO class: 9
UN: 3082
Packing group: III
Label: 9
EMS: F-A, S-F
Marine Pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
(DIMETHYLTIN NEODECANOATE)

Transport by Air

IATA: 9
UN: 3082
Packing group: III
Label: 9
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
(DIMETHYLTIN NEODECANOATE)

15 REGULATORY INFORMATION

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

Seveso Category: 2
Restrictions relating to the product or contained substances pursuant to Annex XVII to EC regulation 1907/2006:
Point 3
Substance in candidate list (Art. 59 REACH): none
Substances subject to authorization (Annex XIV REACH): none
Healthcare controls: workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers health and safety are modest and that the 98/24/EC directive is respected

15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and substances it contains

16 OTHER INFORMATION

Text of Hazard (H) indications mentioned in section 2-3 of the sheet:

Repr.2: Reproductive toxicity, category 2
Acute Tox.4: Acute Toxicity, category 4
STOT RE1: Specific target organ toxicity – repeated exposure, category 1
Aquatic Chronic 4: Hazardous to the aquatic environment, chronic toxicity, category 4.
H361d: suspected of harming the unborn child
H302: Harmful if swallowed
H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure < state route of exposure if its not conclusively proven that no other routes of exposure cause the hazard>
H413: May cause long lasting harmful effects to aquatic life.

Text of (R) phrases mentioned in section 2-3 of the sheet

R22: HARMFUL IF SWALLOWED
R48/25: TOXIC: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE IF SWALLOWED.
R53: MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT
R63: POSSIBLE RISK OF HARM TO THE UNBORN CHILD

General Bibliography

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European parliament
4. regulation (EC) 1272/2008 (CLP) of the European parliament
5. Regulation (EC) 790/2009 (I apt. CLP) of the European parliament
6. Regulation (EC) 453/2010 of the European parliament
7. The Merck index. 10th edition
8. Handling chemical safety
9. Niosh – registry of toxic effects of chemical substances
10. INRS – Fiche toxicologique (toxicological sheet)
11. Patty – Industrial hygiene and toxicology
12. N.I Sax – dangerous properties of industrial materials – 7, 1989 edition
13. ECHA website

Note for users – the information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each

specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Changes to the previous review:

The following sections were modified

02/04/08/09/11/12/16

4/3/2013 Revision No.5