

ALEC TIRANTI LIMITED

TOOLS, MATERIALS & EQUIPMENT FOR MODELLING, CARVING, SCULPTURE
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Material Safety Data Sheet

T6 Catalyst

1. IDENTIFICATION of PREPARATION				
Material / Trade name		T6 catalyst		
Intended Use		Liquid catalyst for RTV silicone compounds		
2. COMPOSITION / INFORMATION ON INGREDIENTS				
EC No.	CAS-No.	Content	Classification	
DIBUTYLTIN DILAURATE	201-039-8	77-58-7	5-10%	T;R48/25. Rep1;R60,R61. Xn;R22. Mut3; R68. Xi;R36 N;R50/53
TETRAPROPYL SILICATE		628-01-09	10-30%	Xi;R36/38. R10
3. HAZARD IDENTIFICATION		Irritating to eyes. Harmful: Danger of serious damage to health by prolonged exposure if swallowed. May impair fertility. May cause harm to the unborn child. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Possible risk of irreversible effects Classification: Rep1;R60,R61. Xn;R48/22 Mut3; R68. Xi;R36. N;R51/53		
Ingestion:		Irritates mouth, throat and stomach. Dangerous if swallowed in large quantity.		
Skin contact:		Irritant		
Eye contact:		Irritant		
Inhalation:		Excessive inhalation causes nausea, headache, dizziness and uncoordination		
4. FIRST AID MEASURES				
Ingestion:		Irritates mouth, throat and stomach. Dangerous if swallowed in large quantity. Never give anything by mouth to an unconscious person.		
Skin contact:		Remove contaminated clothing and launder before reuse. Wash with soap and water. Get medical attention if irritation persists.		
Eye contact:		Flush eyes with plenty of water for 15 minutes. Get medical attention.		
Inhalation:		Remove to fresh air, if not breathing, give mouth to mouth respiration. Seek medical attention.		
5. FIRE FIGHTING MEASURES				
Extinguishing media:		All standard firefighting media		
Special firefighting procedures:		Use pressurized air mask If products is involved in a fire. Keep run off water out of		
Specific Hazards:		sewers and water sources, dike for water control. Fire creates: Toxic gases/vapours/fumes of carbon monoxide (CO). Carbon dioxide		
6. ACCIDENTAL RELEASE MEASURES				
Cleaning:		Wipe, scrape or soak up in an inert material		
Elimination:		Follow local disposal for elimination		
Protective equipment:		Wear proper protective equipment as specified in the protective equipment section. Remove sources of ignition.		
7. HANDLING & STORAGE				
Handling:		Use protective gloves, use only in well ventilated area, keep away from sources of ignition and food. Avoid contact with skin and eyes.		
Storage:		Store upright in a cool place below 30°C. in the original well closed containers.		

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

Name:	Std.	LT – ppm	LT – mg/m ³	ST – ppm	ST – mg/m ³
DIBUTYLTIN DILAURATE	WEL		0.1 mg/m ³		0.2 mg/m ³

Engineering Measures: No specific ventilation requirements noted, except this product must not be used in a confined space.

Respiratory equipment: No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended workplace exposure limit.

Hand protection: Use protective gloves, Butyl rubber, Nitrile.

Eye Protection: Wear approved safety goggles.

Hygiene Measures: No specific hygiene measures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Translucent liquid
Odour:	Characteristic
Ph:	Unknown
Boiling Point:	> 200°C
Flash Point:	68 Sh CC (setaflash closed cup)
Viscosity:	100 to 300 mPa.s
Specific gravity:	0.957
Solubility in water:	Immiscible with water, miscible with aromatic solvents hydrocarbons. chloroform
Melting point:	n.a
Vapour pressure (20°C):	n.a
Ignition temperature:	unkn
Explosion limits:	unkn

10. STABILITY & REACTIVITY

Dangerous reaction:	None if stored and use as explained
Hazardous decomposition products:	Co, Co ₂ , SiO ₂ , oxides of silicone, tin.
Materials to avoid:	Water, acidic, basic and oxidizing agents
Conditions to avoid:	Avoid contact with water, avoid contact with strong oxidisers

11. TOXICOLOGICAL INFORMATION

Inhalation: In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Ingestion: Toxic: danger of serious damage to health by prolonged exposure if swallowed.

Skin Contact: Contains ingredients which may penetrate the skin. Irritating to skin.

Eye Contact: irritation of eyes and mucous membranes.

Health warnings: Contains a substance/a group of substances with possible risk of harm to the unborn child and with possible risk of impaired fertility.

Name	Dibutyltin Dilaurate
Toxic dose 1 – LD50	1776 mg/kg (oral rat)

12. ECOLOGICAL INFORMATION

Ecotoxicity: The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Degradability: The degradability of this product has not been stated.

Name:	Dibutyltin Dilaurate
LC50, 96hrs, Fish mg/l	2
EC50, 48hrs, Daphnia, mg/l	0.66

13. DISPOSAL CONSIDERATIONS

Product: Follow the local disposal. Eliminate the product after curing

Packaging: After cleaning, possibly reuse them or dispose in accordance with the local regulations.

14. TRANSPORT INFORMATION

UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		
UN No.	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	class 9: miscellaneous dangerous substances and articles
ADR PACK GROUP	III	HAZARD No. (ADR)	90
ADR LABEL No.	9	HAZCHEM CODE	3Z
CEPIC TEC(R) No.	90GM6-III	RID CLASS No.	9
RID PACK GROUP	III	UN No. SEA	3082
IMDG CLASS	9	IMDG PAGE No.	3
IMDG PACK GR.	III	EMS	F-A, S-F
MARINE POLLUTANT	No.	UN No. AIR	3082
AIR CLASS	9	AIR PACK GR.	III

15. REGULATORY INFORMATION

CONTAINS: DIBUTYLTIN DILAURATE

RISK PHRASES	R36	irritating to eyes.
	R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
	R60	May impair fertility
	R61	May cause harm to the unborn child
	R51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
	R68	possible risk of irreversible effects.
SAFETY PHRASES	S25	Avoid contact with eyes
	S26	in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S35	This material and container must be disposed of in a safe way
	S36/37/39	Wear suitable protective clothing, gloves, eye/face protection.
	S38	In case of insufficient ventilation, wear suitable respiratory equipment.
	S45	In case of accident or you feel unwell, seek medical attention immediately (show label)
	S53	Avoid exposure – obtain special instructions before use.
	S57	Use appropriate containment to avoid environmental contamination
	S61	Avoid release to the environment. Refer to special instructions/safety data sheets/
	P11	Restricted for professional users.

16 OTHER INFORMATION

The information contained in this Safety Data Sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations.

This product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use are outside the suppliers control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of material properties, of technical performance or suitability for particular applications.

Further information can be found in:

- The Control of Substances Hazardous to Health Regulations 1988 (SI 1988:1657)
- The Manual Handling Operations Regulations 1992 (SI 1992 : 2793)
- The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992 : 2839)
- The publication HSE EH40/94 Occupational Exposure Limits 1994 or latest issue.