



SAFETY DATA SHEET

MM CAT R5 (CAT RED 5)

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	MM CAT R5 (CAT RED 5)		
PRODUCT NO.	80059020		
SUPPLIER	ACC SILICONES LIMITED AMBER HOUSE SHOWGROUND ROAD BRIDGWATER SOMERSET TA6 6AJ +44(0)1278 411400 +44(0)1278 411444	MANUFACTURER	ACC SILICONES LIMITED AMBER HOUSE SHOWGROUND ROAD BRIDGWATER SOMERSET TA6 6AJ +44(0)1278 411400 +44(0)1278 411444
EMERGENCY TELEPHONE	DEUTSCHLAND +49 613316291880 FRANCE +33 160811147 ITALIA +39 029880913 UK +44(0)1278411400		

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2-ETHYLHEXANOIC ACID	205-743-6	149-57-5	1-5%	Repr3;R63
ALKYLSTANNOSILOXANE		93925-42-9	1-5%	Xi;R36. R10.
DIBUTYLTIN DILAURATE		77-58-7	10-30%	Xn;R48/22. Xi;R36/38. N;R50/53.
TETRAETHYL SILICATE	201-083-8	78-10-4	10-30%	R10 Xn;R20 Xi;R36/37
TETRAPROPYL SILICATE		682-01-9	10-30%	Xi;R36/38. R10.

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

Flammable. Irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xn;R48/22. Xi;R36/38. N;R51/53. R10.

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Get medical attention if any discomfort continues.

INGESTION

DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists continue rinsing and transport to hospital taking these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

Use pressurised air mask if product is involved in a fire. Keep run-off water out of sewers and water sources. Dike for water control.

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SPECIFIC HAZARDS

Fire creates: Toxic gases/vapours/fumes of Carbon monoxide (CO). Carbon dioxide (CO₂).

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Contain spillages with sand, earth or any suitable adsorbent material. Avoid release to the environment.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Read and follow manufacturer's recommendations.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
TETRAETHYL SILICATE	OES	10 ppm	87 mg/m ³	30 ppm	260 mg/m ³
ETHANOL	OES	1000 ppm	1920 mg/m ³		
PROPAN-1-OL	OES	200 ppm(Sk)	500 mg/m ³ (Sk)	250 ppm(Sk)	625 mg/m ³ (Sk)
ALKYLSTANNOSILOXANE	OES				0.2 mg/m ³
DIBUTYLTIN DILAURATE	OES		0.1 mg/m ³		0.2 mg/m ³

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit

HAND PROTECTION

Use protective gloves. Butyl rubber. Nitrile.

EYE PROTECTION

Wear approved safety goggles.

HYGIENE MEASURES

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Red		
ODOUR	Characteristic		
SOLUBILITY	Immiscible with water Miscible with Aromatic solvents Hydrocarbons. Chloroform		
RELATIVE DENSITY	1.0	VISCOSITY	100 to 300 mPa.s
FLASH POINT (°C)	40 CC (Closed Cup)		

10 STABILITY AND REACTIVITY

MM CAT R5 (CAT RED 5)**STABILITY**

No particular stability concerns.

CONDITIONS TO AVOID

Avoid contact with water. Avoid contact with strong oxidisers.

MATERIALS TO AVOID

Strong oxidising substances. Water, steam, water mixtures.

HAZARDOUS DECOMPOSITION PRODUCTSFire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Oxides of: Silicon. Tin.**11 TOXICOLOGICAL INFORMATION**

Name	TETRAETHYL SILICATE
Toxic Dose 1 - LD 50	>2000 mg/kg (oral rat)
Toxic Conc. - LC 50	10 mg/l/4h (inh-rat)
Name	DIBUTYLTIN DILAURATE
Toxic Dose 1 - LD 50	1776 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

Name	TETRAETHYL SILICATE
LC 50, 96 Hrs, FISH mg/l	24500
EC 50, 48 Hrs, DAPHNIA, mg/l	>84400
Name	DIBUTYLTIN DILAURATE
LC 50, 96 Hrs, FISH mg/l	2
EC 50, 48 Hrs, DAPHNIA, mg/l	0.66

DEGRADABILITY

The product is moderately biodegradable.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

14 TRANSPORT INFORMATION

UK ROAD CLASS	3		
PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (TETRAPROPYL SILICATE, TETRAETHYL SILICATE)		
UN NO. ROAD	1993	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD No. (ADR)	30
ADR LABEL NO.	3	HAZCHEM CODE	3Y
CEFIC TEC(R) NO.	30GF1-III,30GF1-sp	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1993
IMDG CLASS	3	IMDG PAGE NO.	3
IMDG PACK GR.	III	EMS	F-E, S-E
MFAG	See Guide	MARINE POLLUTANT	Yes.



UN NO. AIR	1993	ICAO CLASS	3
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AIR PACK GR.

III

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS

DIBUTYLTIN DILAURATE

RISK PHRASES

- R10 Flammable.
- R36/38 Irritating to eyes and skin.
- R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

- S13 Keep away from food, drink and animal feeding stuffs.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S51 Use only in well-ventilated areas.
- S24/25 Avoid contact with skin and eyes.
- S36/37 Wear suitable protective clothing and gloves.
- S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- S64 If swallowed, rinse mouth with water (only if the person is conscious).

16 OTHER INFORMATION

REVISION DATE 2.7.04

REV. NO./REPL. SDS GENERATED 0

RISK PHRASES IN FULL

R10 Flammable. , R20 Harmful by inhalation. , R36 Irritating to eyes. , R36/37 Irritating to eyes and respiratory system. , R36/38 Irritating to eyes and skin. , R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed. , R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. , R63 Possible risk of harm to the unborn child.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.