

MATERIAL SAFETY DATA SHEET

MSDS

Trade Name: Loctite 243

Revision date: 30.04.2003

Replaced: 04.11.2002

Loctite 243**1. PRODUCT AND COMPANY**

TRADE NAME:	Loctite 243	APPROVED:	YES
CHEMICAL NAME:		RECEIPT NO:	
FORMULA:		ARTICLE NO:	
SYNONYMS:		EC-NO:	
INDEX NO:		CAS NO:	
GROUP:		PR.NO:	0128561
SUPPLIER:	Henkel Loctite Adhesives Ltd. Watchmead, Welwyn Garden City Herts., AL71JB, UK Tlf: 01707358800 Fax: 01707358900		
TOXIC INFORMATION:		EMERGENCY PHONE:	+353-1-4046444
RESPONSIBLE:			
AUTHOR:			
APPLICATION:			
MORE INFORMATION:	Emergency Phone Number: +353-1-4599301 / +353-87-2629625 / +353-1-4046444		

2. COMPOSITION

COMPOSITION	CAS-NO	EC-NO	% CONC.	CH	CF	CE	R-phrases	NOTE
Cumene Hydroperoxide 80%	80-15-9	201-254-7	0,1-0,95	T	O	N	7-21/22-23-34-48/20/22-51/53	
Maleic Acid	110-16-7	203-742-5	0,1-0,4	Xn			R22, R36/37/38	
1-Acetyl-2-phenylhydrazine	114-83-0	204-055-3	0,1-0,3	Xn			R68/22, R21, R43	

EXPLANATION:

CF/CH/CE=Classification fire/-health/-environment, Tx=Very Toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritating, IK=No classification required, E=Explosive, O=Oxidizing, Fx=Extremely flammable, F=Highly flammable, N=Danger for environment, M=Genotoxic, A=Sensitisation, K=Carcinogen, R=Causes birth defects.

COMPOSITION COMMENTS:

Nature: Product based on polyethyleneglycol dimethacrylate. Anaerobic thread sealant.

3. HAZARDS IDENTIFICATION**MORE INFORMATION:**

This product is not classified as hazardous.

Prolonged contact with skin, particularly damaged skin, may cause sensitization or dermatitis in sensitive individuals.

4. FIRST AID MEASURES**INHALATION:**

Should not be a problem as product is of low volatility. However, if feeling unwell remove patient to fresh air.

SKIN CONTACT:

Wash skin with plenty of soap and water. Seek medical advice if irritation develops.

EYE CONTACT:

Flush eyes immediately with plenty of water for at least 15 minutes. Seek medical advice if irritation develops.

INGESTION:

Give plenty of water to drink. Do not induce vomiting. Obtain medical attention.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISH MEDIA:

If product is involved in fire extinguish with dry powder, foam or carbon dioxide.

FIRE AND EXPLOSION HAZARDS:

Non flammable product (flash point is greater than 100°C (CC)).

PERSONAL PROTECTION WHEN FIREFIGHTING:

Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

6. ACCIDENTAL RELEASE MEASURES

CLEANING MEASURES:

For small spills wipe up with paper towel and place in container for disposal. For large spills absorb onto inert absorbent material and place in sealed container for disposal. Wash spillage site thoroughly with soap and water or detergent solution.

GENERAL:

Ventilate area.

7. HANDLING AND STORAGE

HANDLING:

Use in well ventilated area. Avoid contact with skin and eyes. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

STORAGE:

Store in original containers at 8°C-21°C and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL:

Good industrial hygiene practices should be observed.
Use in well ventilated area. Avoid contact with skin and eyes.

EYE PROTECTION:

Safety glasses should be worn.

HAND PROTECTION:

In circumstances where there is a potential for prolonged or repeated skin contact, the use of disposable gloves (polyethylene, natural rubber or equivalent ester-resistant material) is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid.	ODOUR:	Characteristic.
COLOUR:	Blue. Opaque.	SOLUBILITY:	
MELTING/FREEZING POINT:		BOILING POINT:	> 150 °C
DENSITY:		FLASH POINT:	> 100 °C
EXPLOSION LIMITS LEL-UEL %:	N/A	PH (CONCENTRATE.):	Not soluble in water.
SOLUBILITY IN WATER:	Immiscible.	MOL MASS:	
VAPOUR PRESSURE:	<0.1 mmHg @ 25 °C	VISCOSITY:	
SATURATION CONC.:		AUTO IGNITION TEMP:	
DECOMPOSITION TEMP.:		SMELL LIMIT:	
PH (SOLUTION):		REL.VAPOUR DENSITY (AIR=1):	
Specific Gravity:	1.08		

Solubility in Acetone:	Miscible.		
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10. STABILITY AND REACTIVITY

STABILITY:

Polymerisation may occur after some time in the absence of air and/or the presence of a metal; However, the product is adequately stabilised to ensure that premature polymerisation does not occur under normal conditions of use.

REACTIVITY:

Non reactive to water. Non reactive to oxidising agents except for peroxides.

11. TOXICOLOGICAL INFORMATION

INHALATION:

Due to the low volatility of the product there are no hazards associated with inhalation under normal conditions of use.

SKIN CONTACT

Although it is not a common sensitizer there may be a risk of sensitization on prolonged or repeated contact with damaged skin.

EYE CONTACT:

May cause mild irritation to the eyes.

INGESTION:

May cause irritation to the digestive tract.

12. ECOLOGICAL INFORMATION

MORE INFORMATION:

Keep away from drains and open waters.

There should be precautions taken against environmental damage caused by articles containing this product.

13. DISPOSAL

DECONTAMINATION/DISPOSAL:

Dispose of in accordance with all applicable local and national regulations. Contribution of this product to waste is very insignificant in comparison to article in which it is used.

14. TRANSPORT INFORMATION

ADR(Road)			
UN NO:		CLASS:	
LABEL:	-	DANG. GOODS:	
PACKING GROUP:		HAZ. ID NO:	

RID(Railway)			
UN NO:		CLASS:	
HAZ. ID NO:		DANG. GOODS:	
PACKING GROUP:			

IMDG(SEA)			
UN NO:		CLASS:	
LABEL:		DANG. GOODS:	
EMS:		PACKING GROUP:	
MARINE POLL:		SUB.RISK:	

IATA(Airplane)			
UN NO:		CLASS:	

LABEL:		DANG. GOODS:	
SUB.RISK:		PACKING GROUP:	

MORE INFORMATION:

UN Number: None.

AIR (IATA) : Not classified.

Sea (IMO): Not classified.

Road (ADR)/Rail(RID): Not classified.

15. REGULATORY INFORMATION**S-PHRASES:**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of soap and water.

MORE INFORMATION:

Voluntary Labelling: N/A.

16. OTHER INFORMATION

Replace date:: 04.11.2002

MORE INFORMATION:

MSDS data revised: 30 April 2003.

Hazardous Components in Product for EC:

Component Name - R Phrases

Maleic Acid - R22, R36/37/38

Cumene Hydroperoxide 80% - R7, R21/22, R23, R34, R48/20/22, R51/53

1-Acetyl-2-phenylhydrazine - R68/22, R21, R43

R21 Harmful in contact with skin.

R21/22 Harmful in contact with skin and if swallowed.

R22 Harmful if swallowed.

R23 Toxic by inhalation.

R34 Causes burns.

R36/37/38 Irritating to eyes, respiratory system and skin.

R43 May cause sensitisation by skin contact.

R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R68/22 Harmful: possible risk of irreversible effects if swallowed.

R7 May cause fire.

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67/548/EEC and Commission Directive 1999/45/EC.

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