



IRRITANT

MSDS Ref:
TR 300

Triton Systems
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04/04/1997

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26/05/2015

1. PRODUCT NAME **TRIMOL RESINS 15,34,35,36,40,41**

2. HAZARD IDENTIFICATION



IRRITANT

Irritant
Irritating to skin and eyes

3. COMPOSITION

HAZARDOUS INGREDIENT	CAS Nos.	Weight %	Symbols	Risk Phrases
Bisphenol A and F epoxy Resins, diglycidyl ethers	25068-38-6, 68609-97-2 28064-14-4	100	Xi (Irritant)	R36/38,43,51/53

4. FIRST AID

CONTACT WITH SKIN:	Wash with plenty of soap and water.
CONTACT WITH EYES:	Wash out with water for several minutes and seek medical advice.
INGESTION:	Seek medical advice in the event of discomfort.
INHALATION:	Remove to fresh air if fumes cause irritation of nose or throat.
OTHER INFORMATION:	May aggravate existing respiratory problems.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Dry powder or foam. For small fires use CO ₂ , never use water jet.
SPECIAL PROTECTIVE EQUIPMENT:	For fires in confined spaces, use breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Wear suitable protective clothing appropriate to the amount involved, which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear and overalls.
ENVIRONMENTAL PRECAUTIONS:	Do not allow to enter public sewers and watercourses If this cannot be avoided, inform the appropriate authority.
CLEAN-UP PROCEDURES:	Absorb in dry sand or earth or similar absorbents and shovel into a suitable closed container for disposal according to item 8.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Observe good hygiene standards and minimise skin contact.
Wear suitable protective clothing according to item 8.

STORAGE INFORMATION: Keep containers tightly closed in a cool place, out of direct sunlight.
Keep stored well ventilated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



Where prolonged or repeated exposure is likely, protective clothing should be worn, including eye protection, boots and PVC or synthetic rubber gloves.

Wash hands and exposed skin before meals and after work. Do not eat, drink or smoke whilst handling the product.

Do not wear contaminated clothing.

Ventilate confined spaces thoroughly.

EXPOSURE LIMITS: None prescribed in EH40
Slight irritant, not considered hazardous.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, golden liquid
Odour	Faint
pH	7 (50% suspension in water)
Boiling Point	Decomposes
Melting Point	Not relevant
Flash Point	>150°C
Autoignition temperature	No data
Explosive properties	No data

Oxidising Properties	None
Vapour Pressure	1Pa (20°C)
Relative density	1.2-1.13 (15°C)
Bulk density	Not Relevant
Viscosity	No data
Solubility	Insoluble in water
Partition Coefficient	No data
Other data	

10. STABILITY / REACTIVITY

STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: High temperatures (degrades resin).

MATERIALS TO AVOID: Strong oxidising agents, acids and bases.
Excess of hardener (uncontrolled polymerisation reaction).

11. TOXICOLOGICAL INFORMATION

Not available data on acute toxicity. Irritating to eyes.
A mild skin irritant and mild sensitising agent.



12. ECOLOGICAL INFORMATION

MOBILITY:	Low soil absorption.
DEGRADABILITY:	Not easily biodegradable.
ACCUMULATION:	There is potential for bioaccumulation. Biomagnification is unlikely.
ECTOTOXICITY:	Toxic to aquatic organisms: (TLm96: fish 1.2mg/litre, Daphnia 2.7mg/litre, algae 9.4mg/litre)

13. DISPOSAL INFORMATION

DISPOSAL OF PRODUCT:	Chemical residues are normally regarded as special waste. Dispose of in accordance with local and national regulations (incinerate or landfill).
DISPOSAL OF PACKAGING:	Uncleaned packaging should be treated as for the product.

14. TRANSPORT INFORMATION

UN No.	None assigned
PROPER SHIPPING NAME	Liquid epoxy resin
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous
	MFAG Table No.
	EmS No.
IATO/IACO	Not classified as hazardous
PACKING GROUP	
LABEL	No hazard label

15. REGULATORY INFORMATION

CLASSIFICATION:	Irritant
LABEL INFORMATION	S24: Irritating to eyes and skin S26: May cause sensitisation by skin contact. S28: After contact with skin, wash immediately with plenty of water. S37/39: Wear suitable gloves and eye/face protection.

Refer to other relevant legislation such as Health and Safety at Work etc., Act (HSWA), the Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

16. OTHER INFORMATION

The information contained in this data is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.



HARMFUL

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TR 304

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Publication date
11/04/1997

Revision date
26/05/2015

1. PRODUCT NAME:

TRIMOL 40 HARDENER

2. HAZARD IDENTIFICATION



HARMFUL

Harmful
Harmful if swallowed
Irritating to skin and eyes

3. COMPOSITION

HAZARDOUS INGREDIENT	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Amine-epoxy resin adduct	polymer		20	Xi (irritant)	R22, 36/38

4. FIRST AID

CONTACT WITH SKIN:	Wash with plenty of soap and water. Seek medical advice if irritation develops.
CONTACT WITH EYES:	Wash out with water for several minutes and seek medical advice.
INGESTION:	Give plenty of water to drink. Do not induce vomiting, Seek medical advice.
INHALATION:	Remove to fresh air. Keep warm and at rest. Seek medical advice after significant exposure.
OTHER INFORMATION:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Dry powder or foam. For small fires use CO ₂ .
SPECIAL PROTECTIVE EQUIPMENT:	For fires in confined spaces, use breathing apparatus. Toxic and irritant fumes of oxides of nitrogen may be produced.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Wear suitable protective clothing appropriate to the amount involved, may include eye/face protection, PVC or synthetic rubber gloves, protective footwear, overalls.
ENVIRONMENTAL PRECAUTIONS:	Do not allow to enter public sewers and watercourses. If this cannot be avoided, inform the appropriate authority.
CLEAN-UP PROCEDURES:	Absorb in dry sand or earth or similar absorbent and shovel into a suitable closed container for disposal according to item 13.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8.

STORAGE INFORMATION: Keep containers tightly closed in a cool place, out of direct sunlight. Keep store well ventilated. Exclude atmospheric moisture from the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



Where prolonged or repeated exposure is likely, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves.

Wash hands and exposed skin before meals and after work. Do not eat, drink or smoke whilst handling the product.

Do not wear contaminated clothing. Ventilate confined spaces thoroughly.

EXPOSURE LIMITS: None prescribed in EH40
Slight irritant, not considered hazardous.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous liquid	Oxidising Properties	None
Odour	Slight, ammonia-like	Vapour Pressure	2000Pa (20°C)
pH	9 (50% suspension in water)	Relative density	1.04 (15°C)
Boiling Point	100°C	Bulk density	Not relevant
Melting Point	Solid below 0°C	Viscosity	Thixotropic
Flash Point	No data	Solubility	Partially soluble in water
Autoignition temperature	No data	Partition Coefficient	No data
Explosive properties	No data	Other data	

10. STABILITY / REACTIVITY

STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: Protect from frost.

MATERIALS TO AVOID: Strong oxidising agents, acids.

11. TOXICOLOGICAL INFORMATION

No available data on acute toxicity. Expected value from structurally related products: LD₅₀ (acute, oral) 1000-4000 mg/kg. Irritating to eyes.

12. ECOLOGICAL INFORMATION

MOBILITY: Mobile – avoid subsoil penetration.

DEGRADABILITY: Not easily biodegradable

ACCUMULATION: No evidence for bioaccumulation. Biomagnification is unlikely.

ECOTOXICITY: No data.



13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT:	Chemical residues are normally regarded as Special Waste. Dispose of in accordance with local and national regulations. Can be burned in domestic refuse incinerators in accordance with local regulations.
DISPOSAL OF PACKAGING:	Uncleaned packaging should be treated as for the product.

14. TRANSPORT INFORMATION

UN No	None assigned
PROPER SHIPPING NAME	
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous
	MFAG Table No.
	EmS No.
IATA/IACO	Not classified as hazardous
PACKING GROUP	
LABEL	No hazard label

15. REGULATORY INFORMATION

CLASSIFICATION Harmful

LABEL INFORMATION R22: Harmful if swallowed.
R36/38: Irritating to eyes and skin
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye/face protection.

Refer to other relevant legislation such as the Health and Safety at Work etc Act (HSWA), the Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

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