

MATERIAL SAFETY DATA SHEET.

MSDS D303

IN ACCORDANCE WITH EC DIRECTIVE 2001/59/EC (CHIPS 3)

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY.

PRODUCT NAME: DELTA QUICK STEEL KIT/ MSDS D303 ACTIVATOR

COMPANY: DELTA ADHESIVES - LEEDS LS12 4QP (UK)

CHEMICAL NAME & SYNONYMS: MODIFIED ALIPHATIC POLYAMINE AND INERT FILLERS.

FOR INFORMATION : (0113) 2796 966

IN AN EMERGENCY: 07831 673168

2. COMPOSITION / INFORMATION ON INGREDIENTS.

HAZARDOUS COMPONENTS

CAS NUMBER

PERCENTAGE

DIETHYLENETRIAMINE

111 - 40 -0

<8%

3. HAZARDS IDENTIFICATION (X IRRITANT)

SIGNS AND SYMPTOMS OF EXPOSURE (ACUTE EFFECTS): SKIN AND EYE IRRITANT

SIGNS AND SYMPTOMS OF EXPOSURE (POSSIBLE LONG TERM EFFECT): MAY AGGRAVATE SKIN DISORDERS.MAY RESULT IN DERMATITUS.

4. FIRST AID MEASURES

EYE: FLUSH EYES WITH RUNNING WATER FOR 15 MINS.IF IRRITATION PERSISTS CONTACT PHYSICIAN.

SKIN:REMOVE CONTAMINATED CLOTHING.WASH AREA WITH SOAP AND WATER.IF IRRITATION PERSISTS CONTACT PHYSICIAN.

INGESTION : DO NOT INDUCE VOMITING.RINSE MOUTH AND DRINK PLENTY OF WATER.SEEK MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR AND REST.

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA: WATER SPRAY, DRY POWDERS, CO2 AND FOAM.

EXPOSURE HAZARDS: DO NOT RELEASE CONTAMINATED WATER INTO DRAINS ,SOIL OR SURFACE WATER.

FIRE FIGHTING EQUIPMENT : WEAR SELF CONTAINED BREATHING APPARATUS.

6. ACCIDENTAL RELEASE MEASURES.

AVOID SKIN AND EYE CONTACT .PREVENT FROM ENTERING SEWER SYSTEM, SURFACE WATER OR SOIL .SCRAPE UP AND TRANSFER INTO SUITABLE CONTAINER FOR DISPOSAL

7. HANDLING AND STORAGE:

NORMAL GOOD HOUSEKEEPING SHOULD BE OBSERVED.KEEP AWAY FROM FOOD AND DRINKS. STORE IN THE ORIGINAL CONTAINER SECURELY CLOSED AND AT ROOM TEMPERATURE-----

8. EXPOSURE CONTROL / PERSONAL PROTECTION.

RESPIRATORY: NOT NORMALLY REQUIRED DURING NORMAL USE.

INGESTION; N/A DURING NORMAL USE.

SKIN PROTECTION: OVERALLS AND GLOVES.

EYE PROTECTION: SAFETY GOGGLES

DELTA ADHESIVES LTD
UNIT 2 LAKESIDE IND EST
TONG ROAD, LEEDS, WEST YORKSHIRE
LS12 4QP (UK)

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9 PHYSICAL / CHEMICAL PROPERTIES.

APPEARANCE: BLACK PASTE
VISCOSITY: NOT DETERMINED
BOILING POINT RANGE: >200oC
DETERMINED

FLASH POINT: >100oC
AUTO FLAMMABILITY: NOT DETERMINED
DETERMINED
OXIDISING PROPERTIES: NOT DETERMINED
EVAPORATION RATE: NOT DETERMINED
pH: N/A
DI - ELECTRIC STRENGTH: N/A

ODOUR : AMMONIACAL
SPECIFIC GRAVITY: 2.35g/cm³ @ 20oC
MELTING POINT/RANGE: NOT

FLAMMABILITY: WILL BURN IN FIRE
EXPLOSIVE PROPERTIES: NOT

VAPOUR PRESSURE: NOT DETERMINED
SOLUBILITY: PART SOLUBLE IN WATER @ 20oC
PARTITION COEFFICIENT: N/A
ADDITIONAL INFORMATION:

10. STABILTY AND REACTIVITY.

STABILITY: THERMAL DECOMPOSITION >200oC
MATERIALS TO AVOID: STRONG ACIDS. STRONG BASES AND STRONG OXIDISINH AGENTS.
HAZARDOUS DECOMPOSITION: MAY RELEASE OXIDES OF CARBON AND OTHER TOXIC GASES OR VAPOURS.
HAZARDOUS POLYMERISATIONS: NONE.

11. TOXICOLOGICAL INFORMATION.

ORAL: LD50 (RAT) : 2600mg/kg
INHALATION: IRRITANT TO MUCOUS MEMBRANES
EYE: MILD EYE IRRITANT.
SKIN: CAN CAUSE SENSITISATION. MILD SKIN IRRITANT.

12. ECOLOGICAL INFORMATION.

PREVENT CONTAMINATION OF SOIL, DRAINS OR SURFACE WATER.

13. DISPOSAL CONSIDERATIONS:

DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS. SMALL AMOUNTS IF CORRECTLY MIXED WITH THE BASE COMPONENT AND LEFT TO CURE CAN BE DISPOSED AS SOLID WASTE.

14. TRANSPORT INFORMATION.

UN NO : 2079 RID/ADR : CLASS 8 PACKING GROUP : 11

15. REGULATORY INFORMATION. LABELLING IRRITANT (XI)

R PHRASES R36/38 IRRITANT TO EYES AND SKIN
S PHRASES S2 KEEP OUT OF REACH OF CHILDREN
S26 WASH EYES IMMEDIATELY AFTER CONTACT.
S28 SKIN CONTACT/ WASH WITH SOAP AND WATER
S37/39 WAER GLOVES / FACE PROTECTION

16. OTHER INFOMATION.

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2004
UNIT 2 LAKESIDE IND EST
TONG ROAD
LEEDS , WEST YORKSHIRE
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MATERIAL SAFETY DATA SHEET.

MSDS 303B

IN ACCORDANCE WITH EC DIRECTIVE 2001/59/EC (CHIPS 3)

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY.

PRODUCT NAME: DELTA EPOXY METAL PASTE BASE

COMPANY: ----- DELTA ADHESIVES - LEEDS LS12 4QP (UK)

CHEMICAL NAME & SYNONYMS: ----- BISPHENOL A / F EPOXY RESIN

FOR INFORMATION: ----- (0113) 2796 966

IN AN EMERGENCY:----- (0831) 673164 (07831) 673168

2. COMPOSITION / INFORMATION ON INGREDIENTS.

HAZARDOUS COMPONENTS	CAS NUMBER	PERCENTAGE
BISPHENOL A / F EPOXY RESIN	40216—08—8	< 50 %

3. HAZARDS IDENTIFICATION

SIGNS AND SYMPTOMS OF EXPOSURE (ACUTE EFFECTS): CAUSES IRRITATION WITH SKIN/EYE CONTACT

CAN LEAD TO SENSITISATION.

SIGNS AND SYMPTOMS OF EXPOSURE (POSSIBLE LONG TERM EFFECT): SORENESS, RED SKIN MAY CAUSE SENSITISATION.

4. FIRST AID MEASURES

EYE: --- FLUSH EYES WITH RUNNING WATER FOR 15 MINS. IF IRRITATION PERSISTS CONTACT PHYSICIAN.

SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP & WATER. IF IRRITATION PERSISTS --- CONTACT PHYSICIAN.

INGESTION :-- DO NOT INDUCE VOMITING. RINSE MOUTH & DRINK PLENTY OF WATER. SEEK MEDICAL ATTENTION.

INHALATION: -- REMOVE TO FRESH AIR.

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA: WATER SPRAY, DRY POWDERS, CO2 & FOAM.

EXPOSURE HAZARDS: IN CASE OF FIRE ASIDE FROM THE MAJOR COMBUSTION PRODUCTS CARBON DIOXIDE AND CARBON MONOXIDE OTHER HARMFUL GASES AND VAPOURS MAY BE FORMED.

FIRE FIGHTING EQUIPMENT : WEAR SELF CONTAINED BREATHING APPARATUS.

6. ACCIDENTAL RELEASE MEASURES.

AVOID SKIN AND EYE CONTACT .PREVENT FROM ENTERING SEWER SYSTEM, SURFACE WATER OR SOIL. SCRAPE UP AND TRANSFER INTO SUITABLE CONTAINER FOR DISPOSAL.

7. HANDLING AND STORAGE:

STORE IN A COOL DRY AREA AWAY FROM DIRECT SUNLIGHT. HEAT AND SOURCES OF IGNITION. USE IN WELL VENTILATED AREA .WASH HANDS AFTER CONTACT.

8. EXPOSURE CONTROL / PERSONAL PROTECTION.

RESPIRATORY: NOT NORMALLY REQUIRED DURING NORMAL USE.

INGESTION; N/A DURING NORMAL USE.

SKIN PROTECTION: PROTECTIVE GLOVES OF PVC OR RUBBER.

EYE PROTECTION: SAFETY GLASSES.

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**MSDS 303B
BASE**

9. PHYSICAL / CHEMICAL PROPERTIES.

APPEARANCE: GREY PASTE	ODOUR : ACRID
VISCOSITY: N/A	SPECIFIC GRAVITY: 1.8 g / cm ³ @ 20°C
BOILING POINT RANGE: >200°C	MELTING POINT/RANGE: n/a
FLASH POINT: >100°C	FLAMMABILITY--- :WILL BURN IN FIRE
AUTO FLAMMABILITY: ABOVE BOILING POINT	EXPLOSIVE PROPERTIES: NONE
OXIDISING PROPERTIES: NONE	VAPOUR PRESSURE: N/A
EVAPORATION RATE: N/A	SOLUBILITY: INSOLUBLE IN WATER
pH: N/A	PARTITION COEFFICIENT: N/A
DI - ELECTRIC STRENGTH: N/A	ADDITIONAL INFORMATION:

10. STABILITY AND REACTIVITY.

STABILITY: STABLE
MATERIALS TO AVOID: MAY REACT UNDER CONSIDERABLE HEAT BUILD UP WITH AMINES & MERCAPTANS AND ACIDS.
HAZARDOUS DECOMPOSITION: NONE
HAZARDOUS POLYMERISATIONS: NONE

11. TOXICOLOGICAL INFORMATION.

ORAL: LD50 NOT DETERMINED	EYE: SEVERE IRRITANT
INHALATION: IRRITANT TO MUCOUS MEMBRANES.	SKIN: IRRITANT MAY CAUSE SENSITISATION

12. ECOLOGICAL INFORMATION.

TOXIC TO AQUATIC ORGANISMS MAY CAUSE ADVERSE EFFECTS IN AQUATIC ENVIRONMENT

13. DISPOSAL CONSIDERATIONS:

IN UNCURED STATE DISPOSE OF AS CHEMICAL WASTE IN ACCORDANCE WITH LOCAL REGULATIONS. IN CURED STATE WHEN CORRECTLY MIXED WITH ACTIVATOR DISPOSE AS SOLID WASTE.

14. TRANSPORT INFORMATION.

HAZARDOUS SUBSTANCE --, N O.S., EPOXY RESIN CLASS 9 PACKING GROUP 111.UN .No 3077

15. REGULATORY INFORMATION. LABELLING X.I IRRITANT

R PHRASES	R36/38 IRRITANT TO EYES AND SKIN
	R43 MAY CAUSE SENSITISATION BY SKIN CONTACT.
	R51 / 53 TOXIC TO AQUATIC OR ORGANISMS
S PHRASES	S2 KEEP OUT OF REACH OF CHILDREN
	S24 / 25 AVOID SKIN/ EYE CONTACT
	S26 WASH EYES IMMEDIATELY AFTER CONTACT
	S28 SKIN CONTACT/ WASH WITH SOAP AND WATER
	S37-39 WEAR GLOVES /FACE/EYE PROTECTION
	S46 - IF SWALLOWED SEEK MEDICAL ADVICE

16. OTHER INFORMATION.

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