



**DURAM (PTY) LTD • REG. NO. 9900461/07**  
13 ALTERNATOR AVENUE • MONTAGUE GARDENS • 7441 • CAPE TOWN • R.S.A.  
P.O.BOX 36802 • CHEMPET • 7442 • CAPE TOWN • R.S.A.  
TEL: +27 21 555 3090 • FAX: +27 21 555 3096 • WEBSITE: www.duram.co.za

## **MATERIAL SAFETY DATASHEET**

### **DURAPRIME BASE**

#### **SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION**

NAME: DURAPRIME BASE (WATER DISPERSIBLE) (COMPONENT OF 2 PACK SYSTEM)  
(SEE SEPARATE MSDS FOR ACTIVATOR)

C.A.S. No.: N/A (MIXTURE) E.C. No.: N/A E.C. LABEL: N/A ECOCHEM REF.:  
96.54.01

UN/SIN No.: N/A EAC: 127 HAZCHEM: 3[Z] KEMLER: 90

SAPMA: 2-H-F

IN EMERGENCY CONTACT: THE TECHNICAL MANAGER ON TEL: +27 (021) 555-3090

#### **SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

EC CLASSIFICATION: Xi N R36,38/43/51,53 S24/26/28A/37,39/57/61

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS:

Epoxy resin CAS 25068-38-6 Content 15-17%

Neodecanoic acid glycidyl ester CAS 26761-45-5 Content 1-4%

#### **SECTION 3. HAZARDS IDENTIFICATION**

SAPMA HEALTH RATING: 2-MODERATE - Temporary or minor injury possible even if treatment is given.

Skin sensitiser

INHALATION: Excessive exposure must be avoided.

SKIN: HARMFUL BY CONTACT. Potential sensitiser.

EYES: Irritating.

INGESTION: Irritating.

NO CARCINOGENIC, MUTAGENIC OR GENETIC EFFECTS ESTABLISHED

Medium to long term environmental effects. Contain, collect & remove.

#### **SECTION 4. FIRST AID MEASURES**

INHALATION: Move to fresh air.

SKIN: Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention

EYES: Rinse immediately with plenty of water. Seek medical advice if symptoms persist.

INGESTION: Wash mouth with plenty of water. Do NOT induce vomiting. Seek medical advice.

#### **SECTION 5. FIRE FIGHTING MEASURES**

Combustible with toxic fumes.

No direct explosion hazard expected.

Foam. CO<sub>2</sub>. Dry powder. Fog to cool and control. Do NOT use water jets.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5,8 & 13**

Contain & collect. Keep out of drains and sewers

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## SECTION 7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.  
No open flames. No smoking.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

TYPE: Mixture See Section 2

SAPMA RATING: 2-H-F PPE: Impervious clothing & suitable eye protection

Skin sensitiser

INHALATION: In case of insufficient ventilation, use suitable respiratory protection.

SKIN: Avoid direct contact. Use barrier cream and impervious gloves.

EYES: Use face shield & goggles or full face respirator/hood. Avoid direct contact.

INGESTION: Observe the rules of hygiene. Wash before eating, drinking or smoking.

Appropriate hand protection and protective clothing must always be used

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

CHEMICAL CLASS: EPOXY DISPERSION

APPEARANCE: VISCOUS LIQUID

DENSITY: 1.03

VISCOSITY: 58-63 KU

NON-VOLATILE: 55-65%

FLASH POINT: N/A

SOLUBILITY: -WATER: Miscible

## SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable if stored under normal conditions.

## SECTION 11. TOXICOLOGICAL INFORMATION

Basis for assesment : Information given is based on data on the components and the toxicity of similar products

Acute toxicity Oral : Expected to be of low toxicity, LD50 >2000 mg/kg

Acute toxicity Dermal : Expected to be of low toxicity, LD50 >2000 mg/kg

Skin irritation : Expected to be slightly irritant. Classified as irritant by the European Commission

Eye irritation : Expected to be slightly irritant. Classified as irritant by the European Commission

Skin sensitisation : Skin sensitiser

Repeated dose toxicity: Data not available

Mutagenicity : Not considered to be a mutagenic hazard

## SECTION 12. ECOLOGICAL INFORMATION

Basis for assesment : Information given is based on data on the components and the toxicity of similar products

Mobility : Sinks in water.

If product enters soil, one or more constituents will be mobile and may contaminate groundwater.

Persistence/

Degradability : Expected to be not readily biodegradable.

Bioaccumulation : Contains components with the potential to bioaccumulate

Acute toxicity - fish : Expected to be toxic,  $1 < LC/EC/IC 50 \leq 10 \text{mg/l}$

Acute toxicity -

Invertebrates : Expected to be toxic,  $1 < LC/EC/IC 50 \leq 10 \text{mg/l}$

Acute toxicity - algae : Expected to be toxic,  $1 < LC/EC/IC 50 \leq 10 \text{mg/l}$

Sewage treatment : Expected to be practically non-toxic,  $LC/EC/IC 50 > 100 \text{mg/l}$

## SECTION 13. DISPOSAL CONSIDERATIONS

Hazardous. Use reputable waste disposal contractors. Destroy used containers.

## SECTION 14. TRANSPORT INFORMATION

### Road/Rail transport ADR/RID

Class : 9

Item : 11(C)-

Hazard symbol : Miscellaneous substances

Proper shipping name : Environmentally hazardous substance, liquid, N.O.S.

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(Contains epoxy resin)  
Kemler number : 90  
UN No. : 3082  
**Maritime transport IMO**  
UN No. : 3082  
Class : 9  
Packing group : 111  
Hazard symbol : Miscellaneous substances  
Proper shipping name : Environmentally hazardous substance, liquid, N.O.S.  
(Contains epoxy resin)

**Air transport ICAO/IATA**

UN No. : 3082  
Class : 9  
Packing group : 111  
Hazard symbol : Miscellaneous substances  
Proper shipping name : Environmentally hazardous substance, liquid, N.O.S.  
(Contains epoxy resin)

**SECTION 15. REGULATORY INFORMATION**

EC Label name : Contains Epoxy resin (number average molecular weight <700)  
Contains Neodecanoic acid glycidyl ester  
EC classification : Irritant  
EC symbols : Xi - Irritant N - dangerous for the environment.  
EC Risk phrases : R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.  
R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.  
EC Safety phrases : S24 Avoid contact with skin.  
S26 In case of contact with eyes, rinse immediately with plenty of water.  
S37/39 Wear suitable gloves and eye/face protection.  
S57 Use appropriate container to avoid environmental contamination.  
S61 Avoid release into the environment. Refer to special instructions/safety data sheets.

**SECTION 16. OTHER INFORMATION**

THIS SUBSTANCE IS A POTENTIAL SENSITISER - ENSURE PRECAUTIONS ARE TAKEN.  
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

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This MSDS conforms to General Administrative Regulations dated 6 Sept 1996  
(ISO-11014/ANSIZ400.1.1996)

All information is given in good faith but without guarantee in respect of accuracy.  
No responsibility is accepted for errors or omissions or the consequences thereof.

These recommendations were extracted from the EcoChem database using the HAZMAN programme.

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Updated: June 2009