



SAFETY DATA SHEET

E 160

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	E 160
SUPPLIER	ARDEX ENDURA (INDIA) PRIVATE LIMITED Corporate Office & Regd. Office: Unit No. 406 & 407, "Brigade Rubix", No. 20, HMT Campus, Yeshwanthapur Hobli, Bengaluru - 560013. Karnataka, INDIA. CIN No: U24233KA1997PTC022383 Tel: +91 80 66746500 Email: customercare@ardexendura.com Visit us: www.ardexendura.com
CHEMICAL IDENTITY	The combination of Fatty acid soap and water soluble polymer
PRODUCT USE	Integral cement water proofing compound. It is also used as a water reducing agent for concrete and mortar. It increases the durability of concrete and mortar by delaying corrosion.

2. HAZARDOUS CONSTITUENTS OF MATERIAL

Chemical Name	CAS Number	PERCENT	PERMISSIBLE EXPOSURE LIMIT (TWA)	SHORT TERM EXPOSURE LIMIT (STEL)
Fatty acid soap	61789-45-5	<25%	NH/NA	NH/NA
Water Soluble Silicate	1312-76-1	<10%	NH/NA	NH/NA
Emulsifying Agent	2943-75-1	<3%	NH/NA	NH/NA

3. IDENTIFICATION OF HAZARDS

TOXIC EFFECTS OF EXPOSURE/ CONTACT

This product is very mildly toxic.

SKIN CONTACT

Prolonged / repeated contact with skin, it may irritate.

EYE CONTACT

It causes mild irritation to eyes.

INHALATION

No hazards. Move the exposed person to fresh air at once. Rinse nose and mouth with water.

INGESTION

Rinse mouth thoroughly. Not expected route of entry. Harmful. May upset gastrointestinal tract.

DELAYED EFFECTS

Not reported.

4. FIRST AID MEASURES

SKIN CONTACT	: Remove the affected person from the source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
EYE CONTACT	: Promptly wash eyes with plenty of water for at least 15 minutes. Consult Physician if irritation persist.
INHALATION	: Move the exposed person to fresh air at once.
INGESTION	: Immediately give two glasses of water to drink. Do not induce vomiting. Give treatment to remove alkali. Never give anything by mouth to an unconscious person. Call a Physician.
NOTE TO PHYSICIAN	: There is no specific antidote. Treatment should be given symptomatically on the clinical conditions.

5. FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY

Non-Combustible.

FLASH POINT

NA

EXPLOSIVE LIMITS (% by vol.)

LEL : NA

UEL

NA

FIRE EXTINGUISHING MEDIA

No restriction, use media suitable for the material under fire.

THERMAL DECOMPOSITION PRODUCT

Acrid smoke and incomplete combustion products in vapour state. No hazardous decomposition products observed.

SPECIAL FIRE FIGHTING PROCEDURE

Not required, however suggested to wear self contained breathing apparatus or equivalent.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Nil. Solution will not burn, dried films are capable of burning.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Use personal protective equipment & handling listed under sections VII & VIII

ENVIRONMENT PRECAUTIONS

Review fire and safety precautions before proceeding with clean up. Use appropriate personal protective equipment during clean up.

Dike the spillage and spray inert material (sand, saw dust, earth, etc.) over the spillage and collect it in a container for disposal. Transfer liquid to container for disposal. Keep spill out of sewers and open bodies of water.

CLEANING METHODS

Wash floor with water after wiping off spilled material. Collected material may be land filled according to current local or central regulation.

7. HANDLING AND STORAGE

HANDLING PROCEDURE

Avoid spillage eye and skin contact. Use appropriate Personal Protective Equipment [PPE] during handling. Protect against physical damage. Ensure adequate ventilation in the work area.

STORAGE REQUIREMENTS

Keep container tightly closed when not in use. Maintain good housekeeping. Recommended storage temperature is between 15 to 35°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT :

HYGIENE MEASURES : Do not eat, drink or smoke when working. Wash hands before breaks and after work.

EYE PROTECTION : Wear splash-proof safety goggles.

HAND PROTECTION : Impervious (rubber, neoprene, pvc, etc.) hand gloves, aprons.

RESPIRATION PROTECTION : None required if good ventilation is maintained. Otherwise, wear MSHA/NIOSH approved respirator where vapour concentrations are encountered.

OTHERS : Eye wash facility and emergency shower.

ENGINEERING CONTROLS : Ensure adequate ventilation in the working area with air inflow and outflow.

E 160**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE	:	Reddish brown free flowing liquid.
ODOUR	:	Characteristic
BOILING POINT (OC)	:	NA
SOLUBILITY IN WATER	:	Miscible
SPECIFIC GRAVITY	:	1.05-1.07
pH	:	9–13

10. CHEMICAL STABILITY AND REACTIVITY INFORMATION

CHEMICAL STABILITY	:	Stable under normal ambient conditions.
INCOMPATIBILITY	:	Avoid contact with oxidising agents.
HAZARDOUS POLYMERISATION	:	Will not occur.
CONDITIONS TO AVOID	:	Not specific.

11. TOXICOLOGICAL INFORMATION

There is no reportable toxic effects on exposure or contact of this product.

12. ECOLOGICAL INFORMATION

Not specific. Do not allow to enter soil, waterways and open bodies of water.

13. DISPOSAL CONSIDERATIONS

The contaminated/discarded material may be disposed off in accordance with current local or central regulation.

14. TRANSPORTATION INFORMATION

Water based material, not considered as dangerous from transportation regulations point of view.

15. REGULATORY INFORMATION

Nil

16. OTHER INFORMATION

ABBREVIATIONS USED	:	NA - NOT APPLICABLE
		NH - NON HAZARDOUS
		CI - CONTENT INSIGNIFICANT

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.