1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

   Trade name: NPEL-128
   Company identification:
   NAN YA Plastics Corporation
   201, Tung Hwa North Road, Taipei, Taiwan, R.O.C.
   Telephone: 886-2-27178257~8
   Telefax: 886-2-27182258
   Emergency telephone: 886-2-26806311 EXT724

2. COMPOSITION / INFORMATION OF INGREDIENTS

   Ingredients: Bisphenol-A epoxy resin (number average molecular weight < 700)
   CAS-No.: 25068-38-6
   Hazard symbols: Xi
   R-phrases: R36/38-R43
   Concentration: >99.9%

3. HAZARDS IDENTIFICATION OF THE PRODUCT

   Irritating to eyes and skin, may cause sensitization by skin contact.

4. FIRST AID MEASURES

   After skin contact:
   Rinse with plenty of water and soap. Remove contaminated clothes.
   After eye contact:
   Rinse immediately with plenty of water for at least 15 minutes, and seek medical advice.
   After inhalation:
   Move to fresh air. Seek medical advice if symptoms persist.
   After ingestion:
   Do not vomiting; instantly seek medical advice.

5. FIRE-FIGHTING MEASURES

   Suitable extinguishing media:
   Foam, dry powder, carbon dioxide, water spray jet.
   Unsuitable extinguishing media:
High pressure water jet.
Special protective equipment for firefighters:
  Wear self-contained breathing apparatus.
  Wear protective equipment.

6. ACCIDENTAL RELEASE MEASURES
   Personal precautions
     Keep away ignition sources.
     Wear suitable protective equipment.
   Environmental precautions
     Do not allow to enter drainage system, surface or ground water.
   Method for cleaning up
     Soak up with inert absorbent material and dispose of as hazardous waste.

7. HANDLING AND STORAGE
   Handling:
     Ensure good ventilation/suction at the workplace.
     Avoid open flames and sources of ignition.
   Storage:
     Keep away from food and drink.
     Keep container tightly sealed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
   Engineering controls:
     Ensure for good ventilation/suction.
   Control parameters:
     None
   Personal protection equipment
     Respiratory protection: suitable breathing mask when there is inadequate ventilation.
     Hand protection: suitable protective gloves.
     Eye protection: protective goggles.
     Skin and body protection: suitable protective clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES
Material Safety Data Sheet

NAN YA

Ident No.: EL128

Revision : 2009-05-01

Physical state : liquid
Color : yellowish
Boiling point : >150°C
Flash point : >250°C
Density : (20°C) 1.16g/cm³
Solubility : (20°C) practically insoluble in water.
Viscosity : (25°C) 12000~15000cps

10. STABILITY AND REACTIVITY

Conditions to avoid:
Avoid static electricity discharge.

Material to avoid:
Strong acid, strong base, strong oxidizer and amines.

Hazardous decomposition products
In fire toxic fumes may be generated.

11. TOXICOLOGICAL INFORMATION

Ingestion:
Acute oral toxicity: LD₅₀ 10000~11400 mg/kg body weight.

Skin contact:
Irritating to skin.

Eye contact:
Irritating to eyes.

12. ECOLOGICAL INFORMATION

Biological degradability:
Not readily biodegradable.

Bioaccumulation:
No information available.

Ecotoxicity:
Toxic to aquatic organisms. (LC₅₀ between 1 and 10 mg/L)

13. DISPOSAL CONSIDERATIONS

Dispose of according to regulations.

14. TRANSPORT INFORMATION
Transport over land ADR/RID  
NOT REGULATED FOR TRANSPORT  
Transport over sea IMDG  
NOT REGULATED FOR TRANSPORT  
Transport by air ICAO/IATA  
NOT REGULATED FOR TRANSPORT  

15. REGULATORY INFORMATION

Hazard labels : Xi  Irritant  
R-phrases   : R36/38  Irritating to eyes and skin.  
             : R43  May cause sensitization by skin contact  
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 water and soap.  
             : S37/39  wear suitable gloves and eye/face protection.  

16. OTHER INFORMATION

This information is based on our current level of knowledge and relates to the products in the states in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.