

SAFETY DATA SHEET

TSCA Listed



Date Issued : 10/29/2014

MSDS No : NONFLEX H

NONFLEX H**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** NONFLEX H**MANUFACTURER**

Espritx Technologies
 Regulatory Affairs
 7680 Matoaka Road
 Sarasota, FL 34243
Phone: (941) 355-5100
Customer Care: (941) 315-6317
E-Mail: MSDS@espritxtech.com

24 HR. EMERGENCY TELEPHONE NUMBERS

CANUTEC (Canadian Transportation) : (613) 996 - 6666
CHEMTREC (US Transportation) : (800) 424 - 9300
Emergency Phone : (843) 554 - 1229

2. HAZARDS IDENTIFICATION**GHS CLASSIFICATIONS****Health:**

Skin Sensitization, Category 1
 Germ Cell Mutagenicity, Category 2

Environmental:

Acute Hazards to the Aquatic Environment, Category 3
 Chronic Hazards to the Aquatic Environment, Category 2

GHS LABEL

Exclamation
 mark Environment

SIGNAL WORD: WARNING**HAZARD STATEMENTS**

H317: May cause an allergic skin reaction.
 H341: Suspected of causing genetic defects .
 H402: Harmful to aquatic life.
 H411: Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT(S)**Prevention:**

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P272: Contaminated work clothing should not be allowed out of the workplace.

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P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P321: Specific treatment (see section "4. FIRST AID MEASURES" ... on this label).

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash before reuse.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

Disposal:

P501: Dispose of contents/container to a facility that complies with all Local, State, Regional, Federal, National, and International regulations.

COMMENTS: This product may irritate skin and eyes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	Wt. %	CAS
N,N'-DIPHENYL-P-PHENYLENEDIAMINE	> 98	74-31-7

4. FIRST AID MEASURES

EYES: Immediately flush with large amounts of water for at least 15 minutes. **GET IMMEDIATE MEDICAL ATTENTION.**

SKIN: Immediately wash off the attached product with water. Then wash the spot with soap. Seek medical attention if irritation develops or persists. Remove contaminated jewelry, clothing and shoes. Clean contaminated clothing or shoes before re-use.

INGESTION: Immediately let patient drink large amounts of water to induce vomiting. **GET IMMEDIATE MEDICAL ATTENTION.**

INHALATION: Immediately move the patient to a place of fresh air and attain medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, powder, inert gas, foam, etc.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen

6. ACCIDENTAL RELEASE MEASURES**ENVIRONMENTAL PRECAUTIONS**

WATER SPILL: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

GENERAL PROCEDURES: Precautions to humans: Since the product is identified to have strong mutagenicity, the work shall be done wearing personal protective equipment to minimize the exposure to the product. Immediately wipe off the spilled product, and put it in a container with lid.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid continuous contact for a long term or repetition contact. Handling of the product shall not be given at a place where adequate ventilation such as total ventilation and local ventilation is not available.

HANDLING: Since the product is identified to have strong mutagenicity, measures to minimize the exposure to

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the product shall be given: enclosing the facilities, wearing personal protective equipment.

STORAGE: Store in tightly closed containers. Store in an area that is cool, dry, and well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local ventilation, overall ventilation. Install safety shower, hand and eye wash near the handling place. Indicate the location of such equipment.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: Wear rubber gloves.

RESPIRATORY: Wear dust mask.

PROTECTIVE CLOTHING: Protective clothes, protective shoes

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Aromatic

APPEARANCE: Pale gray or white powder

FLASHPOINT AND METHOD: 236°C (ceta closed cup)

MELTING POINT: > 130°C

SOLUBILITY IN WATER: Hardly soluble

Notes: Solubility in solvent:

Methanol: Slightly soluble

Acetone: Readily soluble

Toluene: Slightly soluble

DENSITY: 1.20~1.26g/m³

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal storage and handling conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: The product is decomposed by heating and combusting to generate toxic gases such as carbon monoxide and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION**ACUTE****ORAL LD₅₀:**

LD50 2,370mg/kg (rat)

LD50 18,000mg/kg (mouse)

EYE EFFECTS: Irritant (rabbits)

CARCINOGENICITY

Notes: None of the components in this product at concentrations greater than 0.1% are listed by; IARC, NTP, OSHA or ACGIH as a carcinogen.

MUTAGENICITY: AMES POSITIVE MATERIAL: A test for mutagenicity using microorganisms given by the Ministry of Labour classified the product as a substance identifying strong mutagenicity.

* Result of mutagenicity test using microorganisms Specific activity: 6.7 x 10² (revertants/mg)

* Result of chromosomal aberration using mammal cultured cells. D20: 0.0067 mg/ml

COMMENTS: The product is counted as one of the causes substances of allergic contact dermatitis of rubber products.

NONFLEX H**12. ECOLOGICAL INFORMATION**

ENVIRONMENTAL DATA: Remaining property, decomposing property: Difficult-to-compose

BIOACCUMULATION/ACCUMULATION: Accumulation in living organisms: Medium degree

AQUATIC TOXICITY (ACUTE): Humedaka (red-killfish) LC50 36mgmg/I/48hr

13. DISPOSAL CONSIDERATIONS**DISPOSAL METHOD:**

For in-house treatment, use an incinerator equipped with a scrubber, and charge small amount of the product at a time to the incinerator to completely combust it while paying care on the generation of carbon monoxide and nitrogen oxides. The flu gas shall be adequately treated.

For using outside contractor, select a qualified industrial waste treatment contractor, and transfer the product with detail disclosure of the contents of the waste product.

Avoid the discharge of wastewater and wash wastewater containing the product directly to river and other public area. Avoid the landfill and disposal of the product without treatment.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Non-regulated chemical, N.O.S.

AIR (ICAO/IATA)

SHIPPING NAME: Non-regulated chemical, N.O.S.

VESSEL (IMO/IMDG)

SHIPPING NAME: Non-regulated chemical, N.O.S.

COMMENTS: Specific safety measures and conditions for transportation:

Care shall be given on handling not to break container (mainly can).

Load the product with full scale packaging not to induce collapse of staked packages and not to induce fall down accident.

Avoid wetting, and avoid exposure to direct sunshine.

15. REGULATORY INFORMATION**UNITED STATES****TSCA (TOXIC SUBSTANCE CONTROL ACT)**

TSCA REGULATORY: Listed on the TSCA Public Inventory.

FDA (FOOD AND DRUG ADMINISTRATION): FDA (2001); 177 2600 In a food contact use of (rubber product of the purpose for repetition use), use is recognized with conditions.

GENERAL COMMENTS: Industrial Safety and Health Law: Classified to the existing chemical substances having mutagenicity, specifically by Ki-80 of Notice of the Head of Labour Standards Bureau, February 4, 1991 in Article 57 (5) of the Law. (DPPD)

Foreign Exchange and Foreign Trade Control Law: Article 1 " Approval of Export" and Article 4 "Special Case" of the Ordinance of Export and trade Control.

The product is not applicable for Poisonous and Deleterious Substances Control Law, Law concerning Examination and Regulation of Manufacture, etc. of Chemical Substance, Fire Services Law, Law for Safety of Vessels, Civil Aeronautics Law, Marine Pollution Prevention Law.

COMMENTS Circumstances of registration for foreign counties:

* EU (EINECS): 2008064

* Canada (Domestic Substance List): Registered

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- * China: (Inventory of existing chemical substances: Registered
- * Korea: (KECI) KE-12056
- * The Philippines: (PICCS) : Registered

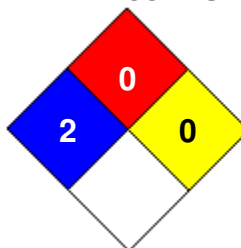
16. OTHER INFORMATION

APPROVED BY: Judy Cummings **TITLE:** Product Stewardship Manager

INFORMATION CONTACT: Product Stewardship Analyst

HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	E

NFPA CODES

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