



XIAMEN VIVE MATERIAL CO.,LTD

Rev.03

Product: ViVe-86001

Data: 20.02.2012

## MATERIAL SAFETY DATA SHEET – M.S.D.S

### 1- PRODUCT AND COMPANY IDENTIFICATION

**Material identification:**

**Product's Name:** Epoxy Fatty Acids Methyl Ester

**Product's Number:** ViVe-86001

**Brand :** ViVe

**Company:**

XiaMen ViVe Material co.,ltd

XinYang Industry district HaiCang XiaMen China

Telephone: 86 592 6532211

Telefax: 86 592 6534433

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e-mail: [sale@xmvide.com](mailto:sale@xmvide.com)

### 2- COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Name :** Epoxy Fatty Acids Methyl Ester

**CAS Number :** 6084-76-0

### 3- HAZARDS IDENTIFICATION

**Potential Health Effects:**

- Inhalation : high temperatures, vapor can cause irritation
- Skin : non irritating to skin
- Eyes : can cause irritation
- Ingestion : can cause vomiting

**This substance is not classified as dangerous according to Directive 67/548/EEC.**

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**4- FIRST AID MEASURES**

- Skin : wash with water and soap
- Eyes : wash with plenty water for 15 minutes
- Ingestion : Drink liquids and call a physician
- Inhalation : remove to fresh air

**5- FIRE FIGHTING MEASURES**

- Extinguishing Media : Foam, dry Chemical and CO2
- Hazardous Combustion Products : carbon monoxide

**6- ACCIDENTAL RELEASE MEASURES**

- Cleaning Measures : absorbe with earth, sand or other similar material
- Safeguards : see personal protection

**7- HANDLING AND STORAGE**

- Handling : Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire
- Storage : keep in a dry place and store in a well-ventilated place

**8- EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- Personal Protective Equipment
  - Eye Protection : wear safety glasses
  - Hand Protection : wear PVC or rubber gloves

**Industrial Precaution** : avoid contact with oxidant agent and strong acid

**9- CHEMICAL AND PHYSICAL PROPERTIES**

**Form** : Liquid  
**Color** : Nearly White clarity  
**Odor** : Vegetal oil

SOLUBILITY IN WATER	INSOLUBLE
SPECIFIC GRAVITY (25°C)	0.94
FLASH POINT (°C; 760 mmHg)	180
GENERAL SOLUBILITY	Soluble in most organic solvent

**10- STABILITY AND REACTIVITY**

- Stable product at normal temperatures and storage conditions
- Polymerization will not occur
- Avoid temperatures above 170°C

**11- TOXICOLOGICAL INFORMATION**

- Non toxic product

**12- ENVIRONMENTAL INFORMATION**

- Biodegradable product

**13- DISPOSAL INFORMATION**

- Treatment, storage, transportation and disposal must be in accordance with applicable federal, state/provincial and local regulation..

**14- TRANSPORTATION INFORMATION**

Nº ONU : not classified

Proper Shipping Name : EPOXY FATTY ACIDS METHYL ESTER

IMDG : Unrestricted

**15- REGULATORY INFORMATION**

- There is no requirement

**16- OTHER INFORMATION**

- Validity: May.26th 2010 ~ May.25th 2015

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**Certificate of Analysis**

NO: EFAME-COA-111117A

Product	Epoxy Fatty Acids Methyl Ester		
Produce date	2012.02.19		
Product batch number	XMVV111117A	Volume shipments	0.5 KG
Buyer	Samples	Specification / Model	VV-002
Examination project	Enterprise standard		Check result
Color(Pt-Co)	≦ 120		116
Density (20℃, cm <sup>3</sup> /g)	0.92±0.1		0.92
Epoxide Oxygen ASTMD1652-04 (%)	≦ 3.5		3.6
Acid Value (mgKOH/g)	≦ 0.8		0.6
Iodine Value(1 <sub>2</sub> g/100g)	≦ 6.0		5.90
Heat loss(125℃X2h) (%)	≦ 0.5		0.38
Flash point(Cleveland open cup method) °C	≧ 170		181
Conclusion test	<b>Qualified</b>		
Checker: 黄景兴 Examine and verify: 黄武平  Date: 2012.02.20			



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