

## 1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

- Description of the product

Product Name : **Starbond 611**

Use : Cleaning and Thiner.

- Company name : **Starbond (Thailand) Co.,Ltd**

- Company address : 41 SOI CHALEUMPRAKIAT RAMA 9 SOI 30 YAEK 14, DOKMAI, PRAVES  
BANGKOK 10250 THAILAND

- Telephone number : (662)328-1244, 328-1380 Fax.(662)328-1020

## 2- COMPOSITION/INFORMATION ON INGREDIENTS

Component name	CAS number	Percent (%)	LD <sub>50</sub> (mg/kg,Rat)	TLV(ppm in Air)
Ketone Solvent	78-93-3	70-80	-	200ppm
Polymer Resin	-	10-20	-	

## 3- HAZARDS IDENTIFICATION

Highly flammable : Vapours may cause drowsiness,dizziness,irritating to eyes and skin.

Harmful : Danger of serious damage to health by prolonged exposure and inhalation. Toxic to aquatic organisms, long-term adverse effects to aquatic environment.

Physical and chemical hazards : Vapours are heavier than air and may travel along floor and may be ignited by electric spark, hot surface or ember.

## 4- FIRST AID MEASURES

- Inhalation : Move into fresh air and keep at rest. Be aware that symptoms of chemical pneumonia(shortness of breath ) may occur several hours.

- Skin Contact : Remove contaminated clothing.Immediately flush skin with large amounts of water or washing with soap and water if available.

- Eye contact : Flush eye with copious quantities of water.If persistant irritation occur, seek medical attention from a doctor as soon as possible.

- Ingestion : Seek medical attention from a doctor.

## 5- FIRE-FIGHTING MEASURES

- |                               |   |
|-------------------------------|---|
| Extinguishing media           | : Use sand for small fire and dry chemical for big fire.  |
| Prevention                    | : Wear full protection clothes and breath filter apparatus.   |
| Hazardous combustion products | : Carbon oxide and other toxics gases.  |
| Special protective equipment  | : Store in a cool, clean and dry place with suitable ventilation.<br>Keep well away from possible point of ignition and sunlight. |

## 6- ACCIDENTAL RELEASE MEASURES

- |                          |   |
|--------------------------|---|
| Personal precautions     | : Wear protective clothes as described in Section 8 of this document.<br>Keep well away from possible point of ignition and sunlight. |
| Environmental precaution | : CO may be evolved if incomplete combustion occur.   |
| Methods for cleaning up  | : 100% volatile, No stains.   |

## 7- HANDLING AND STORAGE

- |          |   |
|----------|---|
| Handling | : Move with caution avoid contact with skin, eye.<br>Do not smoke .Remove ignition sources. avoid sparks.               |
| Storage  | : Store in cool,dry,clean place with suitable ventilation.<br>Keep away from heat, sparks and open flame, Keep upright. |

## 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

- |                        |   |
|------------------------|---|
| Respiratory protection | : Select an appropriate combination of mask and filter.<br>Select filter suitable for organic gases and vapour. |
| Hand protection        | : Wear nitrile rubber gloves.   |
| Eye protection         | : Wear splash-protection goggles to prevent of contact to eye.  |
| Skin protection        | : Wear apron or protective clothing in case of splashes.  |
| Other protection       | : Wear appropriate clothing to prevent a prolonged contact with any liquid and vapour.                          |

## 9- PHYSICAL AND CHEMICAL PROPERTIES

- |  |  |
|--|--|
| Physical State                         | : Clear liquid                           |
| Odour                                  | : Characteristic odour                   |
| Viscosity                              | : Very Low                               |
| Boiling point °C                       | : 153-158                                |
| Flash point °C                         | : 43.8                                   |
| Explosive&Oxidising properties         | : Stable under normal conditions.        |
| Relative density(H <sub>2</sub> O,V/V) | : 0.860-0.890                            |
| Evaporation rate                       | : 5.7 times faster than n-Buthyl Acetate |

## 10- STABILITY AND REACTIVITY

Conditions to avoid : Avoid heat, sparks, open flames and other ignition sources.

Materials to avoid : NA

Hazardous decomposition products : May occur carbon monoxide and other toxic gases.

## 11- TOXICOLOGICAL INFORMATION

See the product toxicological information in section 2

## 12- ECOLOGICAL INFORMATION

No Information

## 13- DISPOSAL CONSIDERATIONS

General information : This material is classified as special waste Regulations 1996 and must be disposed of by an authorised contractor

## 14- TRANSPORT INFORMATION

UN number : 1993

Class : 3

Proper shipping name : Flammable Liquid, N.O.S.

Packing group : II

## 15- REGULATORY INFORMATION

Warning label : F – Highly flammable

Sentence R : R11 : Highly flammable  
: R20 : Harmful by inhalation

Sentence S : S9 : Keep container in a well - ventilated place  
: S16 : Keep away from sources of ignition - no smoking  
S24/S25 : Avoid contact with eyes  
: S29 /S56 : Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
: S36/S37/39 : Wear suitable protective clothing, gloves and eye/face protection.

## 16- OTHER INFORMATION

MSDS Distribution : The information in this document should be made available to all who may handle the product .

ISSUE DATE : 31-May-2017