

MATERIAL SAFETY DATA SHEET

| SECTION 1 | |
|---------------------------|--|
| SUPPLIER'S NAME & ADDRESS | BEHN MEYER INTERNATIONAL TRADING SDN BHD (12201H) NO. 5 JALAN TP2 TAMAN PERINDUSTRIAN SIME UEP 47600 SUBANG JAYA SELANGOR DARUL EHSAN, MALAYSIA TEL : 03-80263333 FAX : 03-80263355 |
| CHEMICAL NAME & SYNONYMS | OCTADECANOIC ACID (CAS NO. 57-11-4) |
| TRADE NAME & SYNONYMS | STEARIC ACID BM10T FLAKES |
| CHEMICAL FAMILY | FATTY ACID FORMULA : C₁₈H₃₆O₂ |

| SECTION II – HAZARDOUS INGREDIENTS | | | | | |
|--|------------|----------------|---|------------|----------------|
| PAINTS, PRESERVATIVES AND SOLVENTS | % | TLV (UNITS) | ALLOYS & METALLIC COATINGS | % | TLV (UNITS) |
| PIGMENTS | NIL | | BASE METAL | NIL | |
| CATALYST | NIL | | ALLOYS | NIL | |
| VEHICLE | NIL | | METALLIC COATINGS | NIL | |
| SOLVENTS | NIL | | FILLER METAL PLUS COATING OR CORE FLUX | NIL | |
| ADDITIVES | NIL | | OTHERS : ARSENIC PPM | | < 0.1 |
| OTHERS | NIL | | HEAVY METAL (AS Pb) PPM | | < 0.1 |
| HAZARDOUS MIXTURES OF OTHERS LIQUIDS, SOLIDS OR GASES | | | | % | TLV (UNITS) |
| NIL | | | | | |

| SECTION III – PHYSICAL DATA | | | |
|--|----------|---|-------|
| BOILING POINT (°F) | 376.1 °C | SPECIFIC GRAVITY H ₂ O=1)@80°C/ | 0.847 |
| VAPOR PRESSURE (mm Hg) @ 227°C | 10 | PERCENT, VOLATILE BY VOLUME (%) | - |
| VAPOR DENSITY (AIR=1) | - | EVAPORATION RATE (=1) | - |
| SOLUBILITY IN WATER : INSOLUBLE | | | |
| APPEARANCE AND ODOR : FLAKES. ODOR CHARACTERISTIC OF PALM OIL | | | |

| SECTION IV – FIRE AND EXPLOSION HAZARD DATA | | | |
|---|------------------|--|--|
| FLASH POINT (METHOD USED) 196°C (AOCS Tn 1a-64) | FLAMMABLE LIMITS | | |
| EXTINGUISHING MEDIA : DRY POWDER, CO₂ OR FOAM | | | |
| SPECIAL FIRE FIGHTING PROCEDURES | | : NOT NECESSARY – NORMAL FIRE FIGHTING PROCEDURE USING ABOVE MENTIONED EXTINGUISHING MEDIA IS SUFFICIENT. | |
| UNUSUAL FIRE AND AND EXPLOSION HAZARDS : RELATIVELY SAFE | | | |

STEARIC ACID BM10T FLAKES
01.10.2006

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

REGARDED AS SAFE BUT ARE NOT INTENDED NORMALLY FOR HUMAN CONSUMPTION LD 50
INTRAVENOUS IN MICE: 23± 0.7 mg/kg

EFFECTS OF OVER – EXPOSURE

NO HARM TO HEALTH IS LIKELY. HOWEVER, SLIGHT IRRITATION TO EYES OR SKIN MAY RESULT
IN PERSONS SENSITIVE BY NATURE TO SKIN IRRITATION.

EMERGENCY AND FIRST AID PROCEDURES

IN CASE OF CONTACT WITH EYES, RINSE WITH PLENTY OF WATER. IN CASE OF CONTACT WITH
SKIN, WASH THOROUGHLY WITH SOAP AND WATER THEN SEEK MEDICAL ATTENTION.

SECTION VI – REACTIVITY DATA

| | | | |
|-----------|----------|---|------------------------------------|
| STABILITY | UNSTABLE | √ | CONDITIONS TO AVOID OVERHEATING |
| | STABLE | | |

INCOMPATIBILITY (MATERIALS TO AVOID)
IRON, COPPER & THEIR ALLOY

HAZARDOUS DECOMPOSITION PRODUCTS

| | | | |
|-----------------------------|----------------|---|------------------------------------|
| HAZARDOUS POLYMERIZATION | MAY OCCUR | √ | CONDITIONS TO AVOID OVERHEATING |
| | WILL NOT OCCUR | | |

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
NORMAL HOUSEKEEPING PROCEDURES

WASTE DISPOSAL METHOD

*NORMAL HOUSEKEEPING PROCEDURES***SECTION VIII – SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (SPECIFY TYPE)
ORDINARY PARTICLE MASK

| | | |
|-------------|----------------------|------------------------------------|
| VENTILATION | LOCAL EXHAUST | SPECIAL OTHERS : <i>LOUVERS</i> |
| | MECHANICAL (GENERAL) | |

PROTECTIVE GLOVES : *RUBBER GLOVES* | EYE PROTECTION : *GOGGLES*

OTHER PROTECTIVE EQUIPMENT

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTION TO BE TAKEN IN HANDLING AND STORING

*DOES NOT PRESENT ANY ABNORMAL PROBLEMS IN ITS HANDLING & USE. THEREFORE, NO
SPECIAL HANDLING & STORAGE REQUIRED.*

OTHER PRECAUTIONS

*NORMAL PRECAUTION SUCH AS AVOID STORING NEAR OPEN FIRE, AVOID INHALATION OF
DUST & WEAR GOGGLES, GLOVES OR RESPIRATORY DEVICE WHENEVER NECESSARY.*