

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : FLEXIBONDER

Company Name : LASHBASE CO LTD

Address Unit M4, Hazleton Interchange, Lakesmere road, Horndean, PO8 9JU

Telephone No. : 02392 251425

2.COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	CAS No.	%wt
Water	7732-18-	69.360
Alcohol	64-17-5	10.000
Propylene Carbonate	108-32-7	5.000
Tripeptide-1	-	2.000
Butylene Glycol	107-88-0	1.500
Caprylyl Glycol	1117-86-	1.500
1,2-Hexanediol	6920-22-	1.500
Keratin	68238-	1.500
Acrylates/Octylacrylamide Copolyme	-	1.000
Dipropylene Glycol	110-98-5	0.300
Glycine	56-40-6	0.300
Serine	56-45-1	0.300
Glutamic Acid	56-86-0	0.300
Aspartic Acid	56-84-8	0.300
Leucine	328-39-2	0.300
Alanine	56-41-7	0.300
Lysine	56-87-1	0.300
Arginine	74-79-3	0.300
Tyrosine	60-18-4	0.300
Phenylalanine	63-91-2	0.300
Threonine	72-19-5	0.300
Proline	147-85-3	0.300
Valine	516-06-3	0.300
Isoleucine	443-79-8	0.300
Histidine	4998-57-	0.300
Methionine	63-68-3	0.300
Cysteine	52-90-4	0.300
Glycerin	56-81-5	0.100
Lonicera Japonica (Honeysuckle) Flower	-	0.100
Ocimum Basilicum (Basil) Extract	-	0.100
Citrus Paradisi (Grapefruit) Fruit Extract	90045-	0.100
Usnea Barbata (Lichen) Extract	84696-	0.100
Citric Acid	77-92-9	0.030
Biotin	58-85-5	0.010

3.HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

PHYSICAL STATE : COMPARING SAMPLES

ODOR : COMPARING SAMPLES

MAJOR HEALTH HAZARDS : NO SIGNIFICANT TARGET EFFECTS REPORTED.

POTENTIAL HEALTH EFFECTS :

INHALATION :

SHORT TERM EXPOSURE : NO INFORMATION ON SIGNIFICANT ADVERSE EFFECTS

LONG TERM EXPOSURE : NO INFORMATION ON SIGNIFICANT ADVERSE EFFECTS

SKIN CONTACT :

SKIN CONTACT :

SHORT TERM EXPOSURE : NO INFORMATION ON SIGNIFICANT ADVERSE EFFECTS

LONG TERM EXPOSURE : NO INFORMATION ON SIGNIFICANT ADVERSE EFFECTS

EYE CONTACT :

SHORT TERM EXPOSURE : NO INFORMATION ON SIGNIFICANT ADVERSE EFFECTS

LONG TERM EXPOSURE : NO INFORMATION ON SIGNIFICANT ADVERSE EFFECTS

INGESTION :

SHORT TERM EXPOSURE : NO INFORMATION ON SIGNIFICANT ADVERSE EFFECTS

LONG TERM EXPOSURE : NO INFORMATION ON SIGNIFICANT ADVERSE EFFECTS

4. FIRST AID MEASURES

INGESTION : OBTAIN MEDICAL ATTENTION

INHALATION : REMOVE FROM EXPOSURE TO FRESH AIR IF SYMPTOMATIC.

EYE CONTACT : IMMEDIATELY IRRIGATE THOROUGHLY WITH WATER FOR GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : REGULAR DRY CHEMICAL, CARBON DIOXIDE, WATER, REGULAR FOAM.

LARGE FIRES : USE REGULAR FOAM OR FLOOD WITH FINE WATER SPRAY.

EXTINGUISHER METHODS : FOAM, CARBON DIOXIDE, DRY CHEMICAL.

SPECIAL FIRE FIGHTING PROCEDURES : WHEN INVOLVED IN A FIRE, THIS PRODUCT MAY IGNITE READILY AND DECOMPOSE TO PRODUCE CARBON OXIDE. PRESSURE BUILDUP MAY OCCUR DUE TO HEAT EXPOSURE OF CLOSED CONTAINERS. WATER MAY BE USED TO COOL CLOSED CONTAINERS. WEAR SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS : VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND TO A SOURCE OF IGNITION. PREVENT BUILD-UP OF EXPLOSIVE GASES TO EXPLOSIVE CONCENTRATIONS.

6. ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE :

AVOID HEAT, FLAMES, SPARKS AND OTHER SOURCES OF IGNITION. STOP LEAK IF POSSIBLE WITHOUT PERSONAL RISK. REDUCE VAPORS WITH WATER SPRAY.

SMALL SPILLS : ABSORB WITH SAND OR OTHER NON-COMBUSTIBLE MATERIAL.

COLLECT SPILLED MATERIAL IN APPROPRIATE CONTAINER FOR DISPOSAL.

LARGE SPILLS : DIKE FOR LATER DISPOSAL. REMOVE SOURCES OF IGNITION. KEEP UNNECESSARY PEOPLE AWAY, ISOLATE HAZARD AREA AND DENY ENTRY.

7. HANDLING AND STORAGE

STORE AND HANDLE IN ACCORDANCE WITH ALL CURRENT REGULATIONS AND STANDARDS.

PROTECTION AGAINST FIRE AND EXPLOSION

GROUNDING AND BONDING REQUIRED. KEEP SEPARATED FROM INCOMPATIBLE SUBSTANCES. KEEP AWAY FROM HEAT. PROTECT FROM DIRECT SUNLIGHT. STORAGE TEMP. MAX. 30 °C

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

VENTILATION : PROVIDE LOCAL EXHAUST VENTILATION SYSTEM. VENTILATION EQUIPMENT SHOULD BE EXPLOSION-RESISTANT IF EXPLOSIVE CONCENTRATIONS OF MATERIAL ARE PRESENT, ENSURE COMPLIANCE WITH APPLICABLE EXPOSURE LIMITS.
EYE PROTECTION : WEAR SPLASH RESISTANT SAFETY GOGGLES. PROVIDE AN EMERGENCY EYE WASH FOUNTAIN AND QUICK DRENCH SHOWER IN THE IMMEDIATE WORK AREA.
CLOTHING : WEAR APPROPRIATE CHEMICAL RESISTANT CLOTHING.
GLOVES : WEAR APPROPRIATE CHEMICAL RESISTANT GLOVES.
RESPIRATOR : UNDER CONDITIONS OF FREQUENT USE OR HEAVY EXPOSURE, RESPIRATORY PROTECTION MAY BE NEEDED. RESPIRATORY PROTECTION IS RANKED IN ORDER FROM MINIMUM TO MAXIMUM. CONSIDER WARNING PROPERTIES BEFORE USE.
ANY CHEMICAL CARTRIDGE RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE(S).
ANY CHEMICAL CARTRIDGE RESPIRATOR WITH A FULL FACEPIECE AND ORGANIC VAPOR CARTRIDGE(S).
ANY AIR-PURIFYING RESPIRATOR WITH A FULL FACEPIECE AND AN ORGANIC VAPOR CANISTER. FOR UNKNOWN CONCENTRATIONS OR IMMEDIATELY DANGEROUS TO LIFE OR HEALTH ANY SUPPLIED AIR RESPIRATOR WITH FULL FACEPIECE AND OPERATED IN A PRESSURE DEMAND OR OTHER POSITIVE-PRESSURE MODE IN COMBINATION WITH A SEPARATE ESCAPE SUPPLY. ANY SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : COMPARING SAMPLES
APPEARANCE : COMPARING SAMPLES
ODOR : COMPARING SAMPLES
FREEZING POINT : NOT AVAILABLE
FLASH POINT : NOT AVAILABLE
SPECIFIC GRAVITY : 0.98 – 1.30 (25°C)
WATER SOLUBILITY : NOT AVAILABLE
PH : 3.0 – 9.0
VOLATILITY : NOT AVAILABLE
ODOR THRESHOLD : NOT AVAILABLE
COEFFICIENT OF WATER/OIL DISTRIBUTION : NOT AVAILABLE

10. STABILITY AND REACTIVITY

REACTIVITY : POLYMERIZES WITH EVOLUTION OF HEAT. AVOID CONTACT WITH AIR, LIGHT, WATER OR STORAGE AND USE ABOVE ROOM TEMPERATURE.
CONDITIONS TO AVOID : AVOID HEAT, FLAMES, SPARKS AND OTHER SOURCES OF IGNITION. CONTAINERS MAY RUPTURE OR EXPLODE IF EXPOSED TO HEAT. KEEP OUT OF WATER SUPPLIES AND SEWERS.
INCOMPATIBILITIES : OXIDIZING MATERIALS
OXIDIZERS(STRONG) : FIRE AND EXPLOSION HAZARD
HAZARDOUS DECOMPOSITION :
THERMAL DECOMPOSITION PRODUCTS : OXIDES OF CARBON
POLYMERIZATION: POLYMERIZES WITH EVOLUTION OF HEAT. AVOID CONTACT WITH HEAT, AIR, LIGHT OR MOISTURE AND MONITOR INHIBITOR CONTENT.

11. TOXICOLOGICAL INFORMATION

INHALATION :
ACUTE EXPOSURE : MAY CAUSE IRRITATION.
CHRONIC EXPOSURE : NO DATA AVAILABLE.
SKIN CONTACT :
ACUTE EXPOSURE : MAY CAUSE IRRITATION.
CHRONIC EXPOSURE : NO DATA AVAILABLE.
EYE CONTACT :
ACUTE EXPOSURE : MAY CAUSE IRRITATION.
CHRONIC EXPOSURE : NO DATA AVAILABLE.
INGESTION :
ACUTE EXPOSURE : NO DATA AVAILABLE.

12. ECOLOGICAL INFORMATION

DEGREE OF ELIMINATION : 20 – 70%

13. DISPOSAL CONSIDERATIONS

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS HAZARDOUS UNDER TRANSPORT REGULATIONS.

15. REGULATORY INFORMATION

Labeling according E.E.C. directives :
Not submitted to labeling

16. OTHER INFORMATION

This information is furnished without warranty, except that it is accurate to the best knowledge of LASHBASE CO LTD The data on this sheet relates only to the specific material designated herein.