

MATERIAL SAFETY DATA SHEET (REFERENCE)

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

·PRODUCT NAME : POLIMALL BLUE
 ·NAME OF MANUFACTURER : KOYO-SHA CO., LTD.
 ·ADDRESS : No. 1, AZA-SHIOZAWA, TAISHIN-NAKASHINJO, SHIRAKAWA-SHI, FUKUSIMA-KEN 969-0307 JAPAN
 ·NAME OF SECTION : QUALITY ASSURANCE SECTION OF PRODUCTION AND TECHNICAL DEPARTMENT
 ·TELEPHONE NUMBER : 0248-46-2891
 ·FAX NUMBER : 0248-46-2290

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE : MIXTURE
 CHEMICAL NAME : COTTON CLOTH, ALUMINUM OXIDE, FATTY ACID, ANIMAL AND VEGETABLE GREASE,
 FLUID PARAFFIN, AND SURFACE ACTIVE AGENT

COMPOSITION/INFORMATION ON INGREDIENTS:

COTTON CLOTH	45%
ALUMINUM OXIDE	35%
FATTY ACID	5%
ANIMAL AND VEGETABLE GREASE	4%
FLUID PARAFFIN	6%
SURFACE ACTIVE AGENT	5%

CHEMICAL FORMULA (CONSTITUTIONAL FORMULA, STRUCTURAL FORMULA) : Al_2O_3

CSCL No. : 1-23, 2-608, 8-358

CAS No. : 1344-28-1

HAZARDOS INGREDIENTS THE LABOR INDUSTRIAL SAFETY AND HEALTH LAW.
 ARTICLE 52 DESIGNATED HAZARDOUS SUBSTANCE
 190 ALUMINUM OXIDE

3. SUMMARY OF HAZARDS IDENTIFICATION

ADVERSE HUMAN HEALTH EFFECTS : IN CASE OF NORMAL HANDLING, TOXICITY AND IRRITANT PROPERTIES ARE
 CONSIDERED TO BE LOW. BUT IT IS POSSIBLE TO OCCUR COMPARATIVE SLIGHT
 IRRITANT TO EYES, RESPIRATION ORGAN SKIN AND MUCOUS MEMBRANE.

CLASS NAME : (JAPANESE STYLE)

NOT APPLICABLE ON THE BASIS OF CLASSIFICATION (THE BASIS OF CLASSIFICATION IS THE JAPANESE STYLE)

4. FIRST-AID MEASURE

INHALATION : NOT APPLICABLE AT NORMAL CONDITION
 SKIN CONTACT : ESPECIALLY NO TOXICITY, DESIRABLE TO WASH SKIN WITH SOAP AND WATER.
 EYE CONTACT : NOT APPLICABLE AT NORMAL CONDITION
 INGESTION : NOT APPLICABLE AT NORMAL CONDITION

5. FIRE FIGHTING & MEASURES

FIRE FIGHTING MEDIA : POWDER, CARBON DIOXIDE, BUBBLE, HALOGEN SUBSTANCE, FORTIFICATION LIQUID, DRYED SAND, ETC.

FIRE FIGHTING PROCEDURES : SHUT OFF FUEL TO FIRE AND IN THE BEGINNING OF FIRE, DRY CHEMICAL POWDER, CARBON
 DIOXIDE OR DRY SAND ARE USED. IN CASE OF LARGE-SCALE FIRE, FOAM EXTINGUISHING
 MEDIA IS EFFECTIVE TO SHUT OFF AIR.
 REMOVE CONTAINERS TO A SAFE PLACE, IF FEASIBLE.
 EVACUATE NON ESSENCIAL PERSONNEL.

PROTECTION FOR FIRE FIGHTERS : FIRE FIGHTING SHOULD BE DONE FROM UP-WIND WITH GENEARL METHOD.

6. ACCIDENTAL RELEASE MEASURES

NOT APPLICABLE

7. HANDLING :

- TECHNICAL MEASURE : ENGINEERING MEASURES(PREVENTION OF EXPOSURE AND FIRE EXPLOSION).
- NOT DEREGULATED

REMARKS

- AS THE SURFACE OF THE BASE MATERIAL OF POLIMALL IS COVERED BY ABRASIVE AND SUB-AGENTS, IT MAY BE POSSIBLE TO HAVE A ROUGH SKIN ON ACCOUNT OF TOUCHING SKIN DIRECTLY. TO WEAR THIN GLOVE IS SUITABLE FOR DELICATE SKIN.
- OWING TO PUTTING POLIMALL INTO WATER AND WASHING, POLISHING COMPOUNDS ARE RUNNING OUT AND THE EFFICACY OF POLISHING ABILITY COMES DOWN.

SAFETY HANDLING(PREVENTION OF MIXTURE CONTACT, AVOIDANCE OF CONTACT)

- KEEP AWAY FROM THE SOURCE OF IGNITION.
- AVOID FROM CONTACT BETWEEN HIGH TEMPERATURED MATERIALS AND STRONG OXIDIZING AGENTS.

STORAGE :

ADEQUATE STORAGE CONDITION

- NOT SUITABLE TO KEEP UNDER DIRECT SUNSHINE AND HIGH TEMPERATURE AND DRY CONDITION.
- AVOID FROM GARBAGE AND DUST.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

PROTECTION :

NEED BY OCCASION

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE FORM

- FORM : POLISHING CLOTH IMPREGNATED COATED ABRASIVES
 SMELL : SLIGHT ABNORMAL SMELL
 PH : NO INFORMATION IS AVAILABLE.

PHYSICAL STATE(SPECIFIED TEMPERATURE/TEMPERATURE SCOPE)

- BOILING POINT : NO INFORMATION IS AVAILABLE.
 MELTING POINT : NO INFORMATION IS AVAILABLE.
 DENSITY : NO INFORMATION IS AVAILABLE.
 SOLUBILITY : SOLVENT IN WATER ONLY SUB-AGENTS

10. STABILITY AND REACTIVITY

STABILITY : STABLE IN NORMAL CONDITION

REACTIVITY : STABLE IN NORMAL CONDITION

AVOIDABLE CONDITIONS : THE HANDLING UNDER THE NORMAL CONDITION IS STABLE.

PHYSICAL HAZARD AND DECOMPOSITION PRODUCTS : NO INFORMATION IS AVAILABLE.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : NO INFORMATION IS AVAILABLE

PARCIAL EFFECTS(SKIN AND EYES)

- : IT IS NOT APPLICABLE IN NORMAL CONDITION BUT FOR DELICATE SKIN. IT IS POSSIBLE TO CAUSE IRRITATION TO RESPIRATION ORGAN, SKIN AND MUCOUS MEMBRANE.

12. ECOLOGICAL INFORMATION

NO INFORMATION IS AVAILABLE

13. DISPOSAL CONSIDERATION

SINCE LOTS OF OILS AND FATS ARE INCLUDED IN POLIMALL, IT IS BANNED FROM DISPOSING BY THROWING AWAY OR BURYING AS INDUSTRIAL WASTE. AFTER BURNING IT IS REQUESTED TO BE DISPOSED BY THE FOLLOWING THE INDUSTRIAL WASTE DISPOSAL AND CLEANING LAW.

14. TRANSPORT INFORMATION

INTERNATIONAL AGREEMENT : NOT APPLICABLE

15. LABOUR SAFETY AND HEALTH LAW : NOT APPLICABLE
THE LAW CONCERNING THE GRASP OF EXHAUST AMOUNT TO THE ENVIRONMENT OF SPECIFIED CHEMICAL SUBSTANCES AND
THE PROGRESS OF IMPROVEMENT OF MANAGEMENT: NOT APPLICABLE

16. OTHER INFORMATION

REFERENCES

- 1) GUIDELINES TO PREPARE MSDS
- 2) CHEMICAL PRODUCTS OF 12996
- 3) MSDS OF EACH MATERIAL USED

SUPPLEMENT

THE INFORMATION MENTIONED HERE IS BASED UPON DATA BELIEVED TO BE CORRECT, BUT NO GUARANTEE CAN BE MADE WITH IT, SINCE YOUR CONDITION OF USE IS BEYOND OUR MANAGEMENT AND RESPONSIBILITY. PLEASE MAKE SURE TO BE CAREFUL IN HANDLING IT.

REGULATIONS IN "MSDS" ARE JAPANESE ONES. IF YOU USE IT IN OTHER COUNTRIES, FOLLOW FEDERAL OR LOCAL REGULATIONS IN THE COUNTRY.

FOR INQUIRY ABOUT CONTENTS

·NAME OF SECTION IN CHARGE : PRODUCTION DEPARTMENT, QUALITY ASSURANCE SECTION.
·TELEPHONE : 0248-46-2891
·FAX : 0248-46-2990