
[MATERIAL SAFETY DATA SHEET (MSDS)]

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : FIRST RED 4831

FIRST COLOR CO., LTD.

1236-1, JEUNGWANG-DONG, SHIHUNG,
KYOUNGGI-DO, KOREA.

EMERGENCY TELEPHONE NUMBER:

82-31-432-6977

82-31-432-6329

2. COMPOSITION / INFORMATION ABOUT INGREDIENTS

CHEMICAL FEATURES OF PRODUCT : ORGANIC PIGMENT.

C.I. PIGMENT RED 48:3

CAS NO. : 15782-05-5

3. HAZARDS IDENTIFICATION : NONE

4. FIRST AID.

4.1 EYES CONTACT : IMMEDIATELY FLUSH WITH PLENTY OF RUNNING WATER

4.2 SKIN CONTACT : WASH THOROUGHLY WITH WATER AND DETERGENT.

4.3 INHALATION : MOVE TO FRESH AIR

4.4 INGESTION : INDUCE VOMITING

4.5 SYMPTOMS

5. FIRE FIGHTING PROCEDURES

5.1 EXTINGUISHING MEDIA : WATER, CARBON DIOXIDE, NITROGEN DIOXIDE

5.2 SPECIAL MEASURES : SPRAY WATER OR SAND

5.3 COMBUSTION PRODUCTS : NOT APPLICABLE

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1 BIG QUANTITIES : NOT APPLICABLE

6.2 SMALL QUANTITIES : NOT APPLICABLE

6.3 CLEANING OF EQUIPMENT : WATER AND DETERGENT

7. HANDLING AND STORAGE

7.1 HANDLING : USE WITH ADEQUATE VENTILATION AND SUITABLE RESPIRATORY PROTECTION

MEASURES TO AVOID FIRE AND EXPLOSION : IMMEDIATELY EXTINGUISH THE FIRE AND EXPLOSION.

7.2 STORAGE : SHOULD BE STORE IT IN CARGO.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 LIMITS OF EXPOSURE : NOT APPLICABLE

8.2 WORKHYGIENIC PRACTICES

8.3 PERSONAL PROTECTION EQUIPMENT : AS FOLLOW MENTIONED

RESPIRATORY PROTECTION : USE SUITABLE RESPIRATORY PROTECTION

EYE PROTECTION : CHEMICAL SPLASH GOGGLES.

HANDS PROTECTION : RUBBER COATED CANVAS GLOVES.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE : DRY RED POWDER

9.2 COLOR : RED

9.3 ODOR : ODORLESS

9.4 CHANGE OF PHYSICAL STATE.

MELTING POINT : 250°C

BOILING POINT : NOT APPLICABLE

9.5 FLASH POINT : NOT APPLICABLE

9.6 IGNITION TEMPERATURE : NOT APPLICABLE

9.7 EXPLOSION LIMITS : NOT APPLICABLE

9.8 DENSITY : NOT APPLICABLE

9.9 VAPOUR PRESSURE : NOT APPLICABLE

9.10 VISCOSITY : NOT APPLICABLE

9.11 Ph : 6.5-9.5 (ASTM D 1208.6-84)

9.12 SOLUBILITY : LESS THAN 5.0 (ASTM D 1208.5-84)

10. STABILITY AND REACTIVITY.

10.1 DECOMPOSITION POINT : NOT APPLICABLE

10.2 INCOMPATIBILITIES : NONE

10.3 HAZARDOUS DECOMPOSITION PRODUCTS : NONE

10.4 HAZARDOUS REACTIONS : NONE

10.5 POLIMERIZATION HAZARDS : NOT APPLICABLE

11. TOXICOLOGICAL DATA

- 11.1 L.D.50 ACUTE ORAL(RATS) : ABOUT 5,000mg/KG
 - 11.2 SKIN IRRITATION (RABBIT) : NONE
 - 11.3 EYE IRRITATION (RABBIT) MAY CAUSE EYES IRRATATION
 - 11.4 ROUTE OF ENTRY : BREATHING DUST
 - 11.5 ACUTE AND CHRONIC EFFECTS : NOT APPLICABLE
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12. ECOLOGICAL DATA : NOT ESTABLISHED

13. CONSIDERATIONS ABOUT ELIMINATION.

- STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 - SWEEP UP SPILLED OR RELEASED MATERIAL
 - WASH AREA WELL WITH WATER AND DETERGENT.
 - CONTAINERS ELIMINATION :
 - WASH CONTAINERS WELL WITH WATER AND DETERGENT.
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14. TRANSPORT

- 14.1 SPECIAL PRECAUTIONS : AVOID CONTACT WITH EYES AND SKIN, AND
AVOID BREATHING DUST.
 - 14.2 ADDITIONAL INFORMATION
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15. REGULATORY INFORMATION

- 15.1 CLASSIFICATION : MARKED WITH FIRST COLOR CO.,LTD
 - 15.2 LABELING
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16. OTHER INFORMATIONS.

A backslash is the left and margin indicates an amendment from the previous version.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our product must take responsibility for observing existing laws and Regulations.