

MATERIAL SAFETY DATA SHEET

COMPANY NAME : PRONEX S.A.

1. CHEMICAL PRODUCT IDENTIFICATION

PRODUCT NAME : CARMINE LAKE HTS 52%
COMMON CHEMICAL NAME : HYDRATED ALUMINUM LAKE OF
CARMINIC ACID
INTENDED USE : FOOD COLOUR, INDUSTRIAL USE ONLY
C.I. : 75470
EINECS : 215-724-4
CAS : 1390-65-4
MANUFACTURER : PRONEX S.A.
JR. LOS TITANES 236 – LA CAMPIÑA – CHORRILLOS
LIMA 09 – PERU
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2. COMPOSITION/INFORMATION ON INGREDIENTS

CARMINE
HAZARDOUS COMPONENTS : NOT BEING DUST BY ITSELF, INGREDIENTS
CONTRIBUTING TO THE HAZARD ARE ABSENT.
HAZARD : SEE SECCION 3 FOR MORE INFORMATION.

SODIUM HYDROXIDE
HAZARDOUS COMPONENTS : YES
HAZARD : CORROSIVE

MALTODEXTRINE
HAZARDOUS COMPONENTS : NOT BEING DUST BY ITSELF, INGREDIENTS
CONTRIBUTING TO THE HAZARD ARE ABSENT.
HAZARD : SEE SECCION 3 FOR MORE INFORMATION.

3. HAZARD IDENTIFICATION

3.1 ENVIRONMENTAL HAZARD	:	THIS MATERIAL IS NOT CLASSIFIED AS ENVIRONMENTAL HAZARDOUS
3.2 TARGET ORGANS	:	EYES, SKIN, RESPIRATORY TRACT.
3.3 EFFECTS AND SYMPTOMS		
3.3.1 INGESTION	:	THIS MATERIAL HAS NOT BEEN CLASIFIED AS “HARMFUL BY INGESTION”. MAY CAUSE IRRITATION IF INGESTED IN LARGE AMOUNTS.
3.3.2 INHALATION	:	MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT.
3.3.3 SKIN CONTACT	:	MAY CAUSE IRRITATION.
3.3.4 EYE CONTACT	:	MAY CAUSE IRRITATION.

4. FIRST AID MEASURES

4.1 INGESTION	:	DRINK PLENTY OF WATER OR MILK IF INGESTED. GET MEDICAL ASSITANCE.
4.2 INHALATION	:	REMOVE TO FRESH AIR. GET MEDICAL ADVISE AS NECESSARY.
4.3 SKIN CONTACT	:	REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA THOROUGHLY WITH WATER AND MILK DETERGENT (SOAP).
4.4 EYE CONTACT	:	FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
4.5 NOTES TO PHYSICIAN	:	TREAT SYMPTOMATICALLY.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA	:	USE WATER SPRAY, DRY CHEMICAL POWDER OR ALCOHOL-RESISTANT FOAM
5.2 UNSUITABLE EXTINGUISHING MEDIA	:	NO INFORMATION AVAILABLE.
5.3 SPECIAL FIREFIGHTING PROCEDURES	:	PROTECTIVE CLOTHING, BREATHING APPARATUS.
5.4 UNUSUAL FIRE/EXPLOSION HAZARDS	:	ORGANIC POWDERS MAY PRESENT A FIRE OR EXPLOSION HAZARD.
5.5 HAZARDOUS COMBUSTION PRODUCTS	:	IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED BY COMBUSTION.
5.6 PROTECTION OF FIREFIGHTERS	:	USE NORMAL PROCEDURES. USE APPROVED CLOTHING, MASK AND GLASSES.

6 ACCIDENTAL RELEASE MEASURES

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| 6.1 PERSONAL PRECAUTIONS | : | USE PROPER PERSONAL PROTECTIVE EQUIPMENT. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. |
| 6.2 ENVIRONMENTAL PRECAUTIONS | : | NO INFORMATION AVAILABLE. |
| 6.3 METHODS FOR CONTAINMENT AND CLEAN UP | : | SWEEP UP OR VACUUM AND CONTAINERIZE FOR DISPOSAL. AVOID GENERATING DUST. ALWAYS OBEY LOCAL REGULATIONS. |

7 HANDLING AND STORAGE

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| 7.1 HANDLING | : | WASH HANDS AFTER HANDLING. USE ADEQUATE VENTILATION. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. |
| 7.2 STORAGE | : | STORE IN A COOL, DRY AND WELL VENTILATED LOCATION (5-25°C). PROTECTED FROM EXPOSURE TO AIR, HEAT, LIGHT AND OXIDIZING MATERIALS. |
| 7.3 SUITABLE PACKING MATERIALS | : | CONTAINER TIGHTLY SEALED. EMPTY CONTAINERS MAY CONTAIN RESIDUAL DUST. DO NOT CUT, DRILL, GRIND OR WELD CONTAINERS. |
| 7.4 NOT SUITABLE PACKING MATERIALS | : | REACTIVE PACKING MATERIALS. |

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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| 8.1 RESPIRATORY SYSTEM PROTECTION | : | MASK FILTER FOR RESPIRABLE FINE PARTICLES. |
| 8.2 SKIN AND BODY PROTECTION | : | APPROVED CLOTHING. |
| 8.3 HAND PROTECTION | : | CHEMICAL RESISTANT GLOVES. |
| 8.4 EYE PROTECTION | : | SAFETY GLASSES OR GOGGLES. |
| 8.5 ENGINEERING MEASURES / GENERAL HYGIENE | : | NORMAL VENTILATION IS ADEQUATE. ENSURE EYEWASH AND SAFETY SHOWER ARE AVAILABLE. |

9 PHYSICAL AND CHEMICAL PROPERTIES

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| 9.1 PHYSICAL STATE | : | POWDER |
| 9.2 COLOUR | : | BRILLIANT RED |

9.3 ODOUR	:	ODORLESS
9.4 BOILING POINT	:	NOT AVAILABLE
9.5 MELTING POINT	:	138-140° C
9.6 PH	:	4– 7
9.7 FLASH POINT	:	NOT APPLICABLE.
9.8 SOLUBILITY IN WATER (G/L)	:	UNSOLUBLE
9.9 SOLUBILITY IN OIL AND SOLVENTS	:	UNSOLUBLE

10 STABILITY AND REACTIVITY

10.1 CHEMICAL STABILITY	:	STABLE UNDER NORMAL CONDITIONS.
10.2 STORAGE INCOMPATIBILITY	:	AVOID REACTION WITH OXIDIZING AGENTS.
10.3 CONDITIONS TO AVOID	:	KEEP POWDER WELL SEALED AND DRY.
10.4 MATERIALS TO AVOID	:	ACID, ALKALI
10.5 HAZARDOUS DECOMPOSITION PRODUCTS	:	OXIDES OF CARBON, ALUMINUM OXIDE.
10.6 HAZARDOUS REACTIONS	:	NONE UNDER NORMAL CONDITIONS.

11 TOXICOLOGICAL INFORMATION

11.1 ROUTES OF EXPOSURE/ SYMPTOMS/ CORROSIVENESS	:	SEE SECTION 3
11.2 ORAL (LD50)	:	NO INFORMATION AVAILABLE
11.3 INHALATION (LC50)	:	NO INFORMATION AVAILABLE
11.4 IRRITATION	:	NO INFORMATION AVAILABLE
11.5 CARCINOGENICITY	:	NOT LISTED AS CARCINOGEN (ACGIH, OSHA OR IARC)
11.6 MUTAGENIC EFFECTS	:	NO INFORMATION AVAILABLE
11.7 REPRODUCTIVE EFFECTS	:	NO INFORMATION AVAILABLE

12 ECOLOGICAL INFORMATION

COMPONENTS ARE BIODEGRADABLE, BUT AS THESE PRODUCTS ARE DYES THEY SHOULD NOT BE RELEASED INTO THE ATMOSPHERE OR INTO SURFACE WATER.

13 DISPOSAL CONSIDERATIONS

METHODS OF DISPOSAL	:	CHEMICAL WASTE GENERATORS MUST DETERMINE WHETHER A DISCARDED CHEMICAL IS CLASSIFIED AS A HAZARDOUS WASTE. CHEMICAL WASTE GENERATORS MUST ALSO CONSULT LOCAL, REGIONAL AND NATIONAL HAZARDOUS WASTE
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REGULATIONS TO ENSURE COMPLETE AND
ACCURATE CLASSIFICATION.

14 TRANSPORT INFORMATION

NO SPECIAL INSTRUCTIONS.

15 REGULATORY INFORMATION

OSHA: NOT CLASSIFIED AS HAZARDOUS BY OSHA.

TSCA: THESE CHEMICAL ARE NOT LISTED ON THE TSCA INVENTORY

THESE CHEMICAL ARE ON THE FOLLOWING REGULATORY LISTS:

CANADA DSL: CANADA'S DSL LIST.

EUROPEAN REGULATORY 231/2012 EC

59TH JECFA (2002)

US FDA CFSAN COLOR ADDITIVE STATUS LIST

FOOD COLOURS AND MISCELLANEOUS ADDITIVES-EU LABELLING: E120.

16 OTHER INFORMATION

ALL INFORMATION ON THIS MSDS IS BASES ON AVAILABLE DATA, OUR PRACTICAL EXPERIENCE AND RELIABLE LABORATORY EVALUATIONS AND APPLIES TO THIS SPECIFIC MATERIAL AS SUPPLIED. IT MAY NOT BE VALID FOR THIS MATERIAL IF IT IS USED IN COMBINATION WITH ANY OTHER MATERIALS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. NO WARRANTY IS IMPLIED REGARDING THE ACCURACY OF THE DATA OR THE RESULTS TO BE OBTAINED FROM THE PRODUCTS USE.