

HOJA DE SEGURIDAD DE PRODUCTO

UREPRIME 33014

I.PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	UREPRIME HS4 PRIMER WHITE
PRODUCT CODE:	33014
DOCUMENT ID:	M33014
COMPANY:	Grupo Industrial Alce S.A DE C.V. Camino a Santa María Totoltepec No. 505, Col. Santa María Totoltepec C.P. 50245 Toluca, Edo. De México. Teléfono: 01 (722) 2 75 06 40 al 46
REVISION NUMBER:	6
PRIOR VERSION DATE:	08-22-2012
CHEMICAL FAMILY:	Epoxy Urethane
INTENDED USE:	Industrial Maintenance Primer
EMERGENCY CONTACT:	ChemTrec Center
EMERGENCY PHONE:	1-800-424-9300
INTERNATIONAL:	703-527-3887

II. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:	WARNING! Flammable liquid and vapor. Causes skin irritation. Causes eye irritation. Vapor harmful.
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ROUTES OF ENTRY:	<ul style="list-style-type: none"> • Inhalation • Skin contact • Eye contact
TARGET ORGANS POTENTIALLY AFFECTED BY EXPOSURE:	<ul style="list-style-type: none"> • Respiratory Tract • Central nervous system
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	<ul style="list-style-type: none"> • Respiratory disorders, including but not limited to asthma and bronchitis. • Eye irritation when/if dust or spray mist is generated. • Skin disorders. • Eye disorders.

IMMEDIATE (ACUTE) HEALTH EFFECTS BY ROUTE OF EXPOSURE:

INHALATION IRRITATION:	Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Causes lung irritation. Causes nose and throat irritation.
INHALATION TOXICITY:	Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.
SKIN CONTACT:	Causes skin irritation. May cause allergic skin reaction.
EYE CONTACT:	Causes eye irritation.
INGESTION TOXICITY:	Harmful if swallowed..

LONG-TERM (CHRONIC) HEALTH EFFECTS:

CARCINOGENICITY:	<p>Contains Titanium Dioxide which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence with respect to humans and sufficient evidence in experimental animals.</p> <p>Cancer hazard: Contains Crystalline Silica, which can cause cancer. Risk of cancer depends on duration and level of exposure to dust generated from sanding surfaces or spray mists.</p>
INHALATION:	<p>Overexposure may cause lung damage.</p> <p>NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and</p>

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	nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
SKIN CONTACT:	Prolonged contact may cause an allergic skin reaction.

III. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #
TITANIUM DIOXIDE	10 - 30	13463-67-7
QUARTZ (SILICA-CRYSTALLINE)	10 - 30	14808-60-7
CALCIUM METASILICATE (PARTICLES NOT OTHERWISE CLASSIFIED)	7 - 13	13983-17-0
PARACHLOROBENZOTRIFLUORIDE (PCBTF)	5 - 10	98-56-6
TERT-BUTYL ACETATE	5 - 10	540-88-5
POLYMER OF EPOXY RESIN AND BISPHENOL A	5 - 10	25036-25-3
ZINC PHOSPHATE (NUISANCE DUST)	1 - 5	7779-90-0
ACETONE	1 - 5	67-64-1
METHYL AMYL KETONE	0.5 - 1.5	110-43-0

IV. FIRST-AID MEASURES

INHALATION:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
EYES:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
SKIN CONTACT:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. Thoroughly wash

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	or discard clothing and shoes before reuse.
INGESTION:	If swallowed, do not induce vomiting. Get medical attention immediately.

V. FIRE FIGHTING MEASURES

FLAMMABILITY SUMMARY:	Flammable liquid and vapor.
EXTINGUISHING MEDIA:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and minimize fire damage.
FIRE AND/OR EXPLOSION HAZARDS:	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.
FIRE FIGHTING METHODS AND PROTECTION:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, Carbon monoxide
FLASH POINT (F/ C):	46 / 8
AUTOIGNITION TEMPERATURE (F/ C):	798.8 / 426.0
LOWER FLAMMABLE/EXPLOSIVE LIMIT, % IN AIR:	0.9
UPPER FLAMMABLE/EXPLOSIVE LIMIT, % IN AIR:	10.5

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VI. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS AND EQUIPMENT:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
METHODS FOR CLEAN-UP:	Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal.

VII. HANDLING AND STORAGE

HANDLING TECHNICAL MEASURES AND PRECAUTIONS:	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
STORAGE TECHNICAL MEASURES AND CONDITIONS:	Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES:	Use local exhaust ventilation or other engineering controls to minimize exposure.
RESPIRATORY PROTECTION:	General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.
EYE PROTECTION:	Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

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SKIN PROTECTION:

Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact. Wear chemical resistant gloves.

CONTROL PARAMETERS:

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	OSHA PEL-TWA
Titanium dioxide	10 mg/m TWA		15 mg/m TWA (total dust)
Quartz (Silica-Crystalline)	0.05 mg/m TWA (respirable fraction)		see Table Z-3
Calcium Metasilicate (Particles Not Otherwise Classified)			50 mppcf (15mg/m) TWA Total Dust; 15 mppcf (5mg/m) TWA Respirable fraction
tert-butyl acetate Zinc Phosphate (Nuisance Dust)	200ppm TWA		200ppm; 950mg/m TWA 5 mg/m (Respirable Fraction)
Acetone	500 ppm TWA; 1188 mg/m TWA	750 ppm STEL; 1782 mg/m STEL	1000 ppm TWA; 2400 mg/m TWA
Methyl Amyl Ketone	50ppm; 233mg/m TWA		100ppm; 465mg/m (TWA)

IX. PHYSICAL AND CHEMICAL PROPERTIES

Color: White

Physical State: Liquid

Boiling Point - Low (F): 208.4

Boiling Point - High (F): 208.4

Evaporation Rate: 3

Odor: Naphthalene-Like, Sweet

Vapor Density: 6.20 (air = 1)

Vapor Pressure: ~ 41.50 (mm Hg @ 77° F / 25° C)

VOC (g/l) (Regulatory, Calculated): 90.26

(Actual, Calculated): 57.52

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Viscosity: 10 - 20 Z3

Solubility in Water: Negligible; 0-1%

Octanol/Water Partition Coefficient: Not Available

Volatiles, % by Volume (Calculated): 42.72

Volatiles, % by weight (Calculated): 25.20

Density: 14 - 14 lbs./Gal.

Physical and Chemical Properties are calculated target or range values for single packaged items and do not represent compliance values for multi-component (mixed) systems.

X. STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Sparks, open flame, other ignition sources, and elevated temperatures. Contamination. Elevated temperatures.
MATERIALS TO AVOID/CHEMICAL INCOMPATIBILITY:	Oxidizing agents, Acids
POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon dioxide, Carbon monoxide

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data:		
Chemical Name	CAS Number	LD50/LC50
Titanium dioxide	13463-67-7	Oral LD50 Rat > 25 g/kg Dermal LD50 Rabbit > 10 g/kg Inhalation LC50 (4h) Rat > 7 mg/L
Quartz	14808-60-7	Oral LD50 Rat > 22,500 mg/kg
Parachlorobenzotrifluoride (PCBTF)	98-56-6	Oral LD50 Rat 11,500 mg/kg Inhalation LC50 Rat 20 g/m3

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tert-butyl acetate	540-88-5	Oral LD50 Rat 4,500 mg/kg Dermal LD50 Rabbit > 2,000 mg/kg Inhalation LC50 (6h) Rat > 4,000 ppm
Polymer of Epoxy Resin and bisphenol A	25036-25-3	Oral LD50 > 2,000 mg/kg Dermal LD50 Rat > 2,000 mg/kg
Acetone	67-64-1	Oral LD50 Rat 6 g/kg Dermal LD50 Rabbit > 16 g/kg Inhalation LC50 (4h) Rat > 16,000 ppm
Methyl Amyl Ketone	110-43-0	Oral LD50 Rat 1,600 mg/kg Oral LD50 Mouse 730 mg/kg Dermal LD50 Rabbit 10,206 mg/kg Dermal LD50 Guinea pig > 16,200 mg/kg Inhalation LC50 (4h) Rat 2,000 - 4,000 ppm

Carcinogens:

Chemical Name	CAS Number	IARC	NTP	OSHA
Titanium dioxide	13463-67-7	2B		
Toluene diisocyanate	14808-60-7	1	1	

XII. ECOLOGICAL INFORMATION

Toxicity data, if available, are listed below.

XIII. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Refer to other sections of this MSDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

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XIV. TRANSPORTATION INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

DOT BASIC DESCRIPTION:	Paint
HAZARD CLASS:	3
UN NUMBER:	UN1263
PACKING GROUP:	II
OTHER:	This product qualifies for a limited quantity exception per CFR173.150(b)(2) and 172.102 Special Provision 149 for inner containers <= 1.3 gallons (5L) and total gross package wt <= 66 lbs (30kg).
IATA AIR SHIPPING NAME:	Paint
IATA HAZARD CLASS:	3
IATA UN NUMBER:	UN1263
IATA PACKING GROUP:	II
IMO Shipping Name:	Paint
IMO Hazard Class:	3
IMO UN Number:	UN1263
IMO Packing Group:	II

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Marine Pollutant:	N
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XV. REGULATORY INFORMATION

United States Federal Regulations:		
<p>TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.</p>		
SARA EHS Chemicals Not applicable	CAS # 26471-62-5	% 0.1 - 1
CERCLA tert-Butyl acetate Acetone	540-88-5 67-64-1	5 - 10 1 - 5
SARA 313 Trizinc diphosphate	7779-90-0	1 - 5
<p>SARA 311/312</p> <p>Health (Acute): Y Health (chronic): Y Fire (Flammable): Y Pressure: N Reactivity: N</p>		
<p>U. S. State Regulations:</p> <p>California Prop 65 Chemicals</p> <p>Cancer</p> <p>Titanium dioxide 13463-67-7 10 - 30 Crystalline Silica 14808-60-7 10 - 30 Lead 7439-92-1 < 10 ppm Benzene 71-43-2 < 1 ppm</p> <p>Reproductive</p> <p>Lead 7439-92-1 < 10 ppm Benzene 71-43-2 < 1 ppm</p> <p>Reproductive</p> <p>Methyl Alcohol Toluene Benzene</p>		

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Canadian Regulations:

CEPA DSL: The components of this product ARE listed on the Canadian Domestic Substances List.

WHMIS Hazard Class: B3 D2A

XVI. ADDITIONAL INFORMATION

PREPARED BY:	Regulatory Department
DISCLAIMER:	This MSDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.
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