



MATERIAL SAFETY DATA SHEET

12556 ZP
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Rust Converting Primer
Part No. E6307CT Liquid
Revision 1 ♦ June 26, 2007

EMERGENCY OVERVIEW

UNDER NORMAL CONDITIONS OF INTENDED USE, THIS PRODUCT DOES NOT POSE A RISK TO HEALTH. EXCESSIVE EXPOSURE MAY RESULT IN EYE, SKIN OR RESPIRATORY IRRITATION.

SECTION 1 ● CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: Chem-Pak, Inc.
242 Corning Way
Martinsburg, WV 25401 USA

SUPPLIER: The Easthill Group
263 Shoemaker Road
Pottstown PA 19464 USA

INFORMATION: 800-336-9828
EMERGENCY: 800-255-3924 (24 hr) Chem-Tel

SUPPLIER PHONE: 610-323-2200
SUPPLIER 24hr:

PRODUCT NUMBERS: E6307CT (quart)
E6308CT (gallon)

SUPPLIER NUMBERS: 12556ZP
12557ZP

PRODUCT DESCRIPTION: Rust Converting Primer

PRODUCT TYPE: Liquid
CAS NUMBER: Mixture
EMAIL: msds@chem-pak.com
WEBSITE: http://www.chem-pak.com

REVISION NUMBER: 1
REVISION DATE: February 6, 2006
PRINT DATE: June 26, 2007

SECTION 2 ● COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	OSHA PEL	NIOSH REL	ACGIH PEL	IDLH	% WT
Proprietary Ingredient	Trade Secret	N/E	N/E	N/E	N/E	
Water	007732-18-5	N/E	N/E	N/E	N/E	
Tannic Acid	001401-55-4	N/E	N/E	N/E	N/E	
Butyl Cellosolve	000111-76-2	50 ppm	5 ppm	20 ppm	700 ppm	< 10
Lithium Magnesium Sodium Silicate	053320-86-8	N/E	N/E	N/E	N/E	
sec-Butyl Alcohol	000078-92-2	150 ppm	100 ppm	100 ppm	2000 ppm	< 10

See Section 11 for LD50 and LC50 Species/Route Information.
See Section 15 for Symbol Letters and R Phases.

SECTION 3 ● HAZARD IDENTIFICATION

ROUTES OF ENTRY:

Skin Contact	<input checked="" type="checkbox"/>	Skin Absorption	<input checked="" type="checkbox"/>	Eye Contact	<input checked="" type="checkbox"/>	Inhalation	<input checked="" type="checkbox"/>	Ingestion	<input checked="" type="checkbox"/>
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EFFECTS OF ACUTE EXPOSURE

EYE: Liquid contact may cause pain along with moderate eye irritation.

SKIN: Prolonged or repeated exposure may cause skin irritation.

INGESTION: Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis.

INHALATION: Prolonged or repeated overexposure may cause respiratory irritation.

OTHER HEALTH HAZARD DATA

EFFECTS OF CHRONIC EXPOSURE: No data

MEDICAL CONDITIONS AGGRAVATED: May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

PRIMARY HAZARDS: Narcosis (sec-Butyl Alcohol), Systemic Toxicity (Butyl Cellosolve)

CARCINOGEN DATA: This product is not known to contain any ingredients at concentrations at, or above, 0.1% which are considered carcinogenic by OSHA, IARC, NTP, NIOSH or ACGIH.

TARGET ORGANS: Eyes, skin, respiratory system, central nervous system



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OSHA HAZARD CLASSIFICATIONS

HEALTH HAZARD CLASSIFICATION				PHYSICAL HAZARD CLASSIFICATION					
Irritant	<input checked="" type="checkbox"/>	Sensitizer	<input type="checkbox"/>	Combustible	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Pyrophoric	<input type="checkbox"/>
Toxic	<input type="checkbox"/>	Highly Toxic	<input type="checkbox"/>	Flammable	<input type="checkbox"/>	Oxidizer	<input type="checkbox"/>	Water Reactive	<input type="checkbox"/>
Corrosive	<input type="checkbox"/>	Carcinogenic	<input type="checkbox"/>	Compressed Gas	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>	Unstable	<input type="checkbox"/>

SECTION 4 ● FIRST AID MEASURES

INGESTION: Seek medical attention if discomfort occurs. Do not induce vomiting.
SKIN: Remove with soap and water. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.
EYE: Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms persist or if unconscious.
NOTES TO PHYSICIAN: No Data

SECTION 5 ● FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY: Heat, sparks, flame, red hot metal
SUITABLE MEANS OF EXTINCTION: Carbon dioxide, foam, dry chemical, water fog
UNSUITABLE EXTINGUISHING MEDIA: N/Av
FLASH POINT AND METHOD OF DETERMINATION: Not determined, > 200 F
FLAMMABLE LIMITS: Not determined
AUTOIGNITION TEMPERATURE: Not determined
HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon, smoke, and irritating vapors as products of incomplete combustion.
EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: N/Av
EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: N/Av
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.
SPECIAL FIRE AND EXPLOSION HAZARDS: No data

SECTION 6 ● ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. Some regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: For land spills shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of absorbed residues as directed in Section 13.
For water spills confine the spill immediately with booms. Notify port and/or other relevant authorities. Remove from the surface by skimming or with suitable absorbents.
ENVIRONMENTAL PRECAUTIONS: Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil or vegetation.

SECTION 7 ● HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection.
STORAGE: Keep contains closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, or flame.
EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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SECTION 8 ● EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES: Since this product is a mixture, an exposure value is not available. In determination of any exposure procedures, protection, or testing, use the lowest rated ingredient from Section 2.

ENGINEERING AND EXPOSURE CONTROLS: General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest PEL rated ingredient from Section 2.

RESPIRATORY PROTECTION: When mists are generated, and/or when ventilation is not adequate, wear a NIOSH approved respirator with an appropriate cartridge. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary within the United States.

SKIN AND HAND PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

EYE PROTECTION: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

SECTION 9 ● PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	N/D	MELTING/FREEZING POINT: . . .	N/D
SPECIFIC GRAVITY (H₂O=1): . . .	1.247 g/cc	COEFF. OF WATER/OIL DIST.: . . .	N/D
VAPOR PRESSURE:	N/D	pH:	N/D
VAPOR DENSITY:	N/D	EVAPORATION RATE:	N/D
PHYSICAL STATE:	Liquid	WATER SOLUBILITY:	Complete
PERCENT VOLATILE:	49% Wt (53% Vol) Max	VOLATILITY:	0.067 lbs/gal (0.008 g/cc)
PERCENT VOC:	1% Wt (2% Vol) Max	MIR VALUE:	0.104
VISCOSITY:	N/D	ODOR THRESHOLD:	N/D
APPEARANCE:	Clear	ODOR:	Mild

SECTION 10 ● STABILITY AND REACTIVITY

CONDITIONS OF INSTABILITY: N/Av

MATERIAL INCOMPATIBILITY: Strong oxidizers

CONDITIONS OF REACTIVITY: Extreme heat and high energy sources of ignition

DECOMPOSITION PRODUCTS: Oxides of carbon

STABILITY: Stable

HAZARD POLYMERIZATION: Not expected to occur

SECTION 11 ● TOXICOLOGICAL INFORMATION

LD50 AND LC50 SPECIES/ROUTE INFORMATION:

INGREDIENT	ORAL LD50	DERMAL LD50	INHALATION LC50
Proprietary Ingredient	N/Av	N/Av	N/Av
Water	N/Av	N/Av	N/Av
Tannic Acid	2260 mg/kg, rat	N/Av	N/Av
Butyl Cellosolve	470 mg/kg, rat	220 mg/kg, rabbit	2211 mg/m ³ /4hr, rat
Lithium Magnesium Sodium Silicate	>5000 mg/kg, rat	N/Av	N/Av
sec-Butyl Alcohol	6480 mg/kg, rat	>2000 mg/kg, rabbit	16000 ppm /4hr, rat

IRRITANCY OF PRODUCT: The following ingredients are considered eye irritants: Butyl Cellosolve, sec-Butyl Alcohol. The following are skin irritants: Butyl Cellosolve. The following are respiratory irritants: sec-Butyl Alcohol.

SENSITIZATION TO PRODUCT: N/Av

REPRODUCTIVE TOXICITY: N/Av

TERATOGENICITY: N/Av

MUTAGENICITY: N/Av

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: N/Av



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SECTION 12 • ECOLOGICAL INFORMATION

ECOTOXICITY:

INGREDIENT	FISH LC50	DAPHNIA EC50	ALGAL IC50	BACTERIAL EC50
Proprietary Ingredient	N/Av	N/Av	N/Av	N/Av
Water	N/Av	N/Av	N/Av	N/Av
Tannic Acid	N/Av	N/Av	N/Av	N/Av
Butyl Cellosolve	1250 mg/l /96 hr	1698 mg/l /24 hr	>5000 mg/l	700 mg/l /16 hr
Lithium Magnesium Sodium Silicate	N/Av	N/Av	N/Av	N/Av
sec-Butyl Alcohol	3670 mg/l /96 hr	3750 mg/l /24 hr	N/Av	N/Av

MOBILITY: N/D

PERSISTENCE AND DEGRADABILITY: N/D

BIOACCUMULATION: N/D

OTHER ECOLOGIC DATA: Do not allow to enter waters, waste water, or soil.

EFFECT ON THE OZONE LAYER: This product does not contain any ozone depleting ingredients.

SECTION 13 • DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT INFORMATION: Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

SECTION 14 • TRANSPORTATION INFORMATION

DOT SHIPPING INFORMATION (United States)

PROPER SHIPPING NAME: . Non-Regulated Material

TDG SHIPPING INFORMATION (Canada)

PROPER SHIPPING NAME: . Non-Regulated Material

IMDG SHIPPING INFORMATION (International Ocean)

PROPER SHIPPING NAME: . Non-Regulated Material

ICAO/IATA SHIPPING INFORMATION (International Air)

PROPER SHIPPING NAME: Non-Regulated Material

ADR SHIPPING INFORMATION (European Union)

PROPER SHIPPING NAME: Non-Regulated Material

NMFC DESCRIPTION (United States)

ITEM DESCRIPTION: Paint Related Material

ITEM NO.: 149980 Sub 2

CLASS: 55

SECTION 15 • REGULATORY INFORMATION

UNITED STATES - FEDERAL:

INGREDIENT	CAS NO	TSCA	RCRA	CERCLA	SARA 313	CAA	CWA
Proprietary Ingredient	Trade Secret	✓					
Water	7732-18-5	✓					
Tannic Acid	1401-55-4	✓					
Butyl Cellosolve	111-76-2	✓			3 %		
Lithium Magnesium Sodium Silicate	53320-86-8	✓					
sec-Butyl Alcohol	78-92-2	✓			1 %		

UNITED STATES - STATES:

INGREDIENT	CA	DE	FL	MA	PA	MN	NJ	NY	WA
Proprietary Ingredient									
Water									
Tannic Acid									
Butyl Cellosolve			✓	2,4,6 F8		AO			✓
Lithium Magnesium Sodium Silicate									
sec-Butyl Alcohol			✓	2,4,5,6 F9	E	AO	✓		✓



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CANADA:

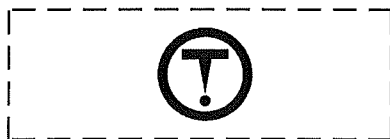
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. All of the components in this product are listed on the Domestic Substances List (DSL).

WHMIS Classification: D2B

EUROPEAN UNION:

INGREDIENT	EINECS	SYMBOL	RISK PHRASES	SAFETY PHRASES
Proprietary Ingredient				
Water	231-791-2			
Tannic Acid	215-753-2			
Butyl Cellosolve	203-905-0	Xn Xi	20/21/22-36/37	2-36/37-46
Lithium Magnesium Sodium Silicate	258-476-2			
sec-Butyl Alcohol	201-158-5	Xn Xi	10-36/37-67	2-7/9-13-24/25-26-46

SECTION 16 ● OTHER INFORMATION



Canadian Hazard Symbols



European Hazard Symbols

HMIS RATING: Health: 1 – Flammability: 1 – Reactivity: 0 – Personal Protection: B

NFPA RATING: Health: 1 – Flammability: 1 – Reactivity: 0 – Special: -

R and S PHASES (European Union):

CODE	RISK or SAFETY PHRASE
R36/37	Irritating to skin and eyes
R67	Vapours may cause drowsiness and dizziness
S2	Keep out of the reach of children
S7/9	Keep container tightly closed and in a well-ventilated place
S24/25	Avoid contact with skin and eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S46	If swallowed, seek medical advice immediately

DISCLAIMER OF LIABILITY:

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REVISIONS:

Revision 1 - 02/06/2006 – Original