



COMPANY IDENTITY: TCI PRODUCTS COMPANY  
PRODUCT IDENTITY: 0314  
PRODUCT DESCRIPTION: PRO-LP2 LACQUER PRIMER

DATE: 06/27/07  
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#### MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1, using the International Chemical Safety Cards of the Global Harmonizing System.

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this MSDS before handling & disposing of this product.

Pass this information on to employees, customers, & users of this product.

#### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT DESCRIPTION: PRO-LP2 LACQUER PRIMER  
PRODUCT IDENTITY: 0314  
COMPANY IDENTITY: TCI PRODUCTS COMPANY  
COMPANY ADDRESS: 420 E DESOTO  
COMPANY CITY: ST. LOUIS, MO 63147  
COMPANY PHONE: 1-314-231-3075  
CHEMTREC PHONE: 1-800-424-9300

#### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS: 20-30% TALC,  
10-20% ACRYLIC RESIN,  
10-20% XYLENES (1330-20-7) [215-535-7],  
5-15% N-BUTYL ACETATE (123-86-4) [204-658-1],  
5-15% TITANIUM DIOXIDE (13463-67-7),  
0-10% TOLUENE (108-88-3) [203-625-9],  
0- 5% ETHYLBENZENE (100-41-4) [202-849-4],  
0- 5% METHYL ETHYL KETONE (78-93-3) [201-159-0],  
0- 5% ACETONE (67-64-1) [200-662-2],  
0- 2% METHYL ISOBUTYL KETONE (108-10-1) [203-550-1],  
0- 2% METHANOL (67-56-1) [200-659-6],  
0- 1% PHOSPHORIC ACID (7664-38-2)

Number in parentheses is CAS #, number in brackets is European EC #.

#### SECTION 3. HAZARDS IDENTIFICATION

EXPOSURE PREVENTION: STRICT HYGIENE!

PREVENT DISPERSION OF MISTS OR DUST!

AVOID EXPOSURE OF (PREGNANT) WOMEN, ADOLESCENTS, CHILDREN!

#### RISK STATEMENTS:

R36/37/38 Irritating to eyes, respiratory system and skin.  
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R20/65 Harmful by inhalation, may cause lung damage if swallowed.  
R12 Extremely Flammable.  
R21 Harmful in contact with skin.  
R34 Causes burns.  
R63 Possible risk of harm to the unborn child.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapors may cause drowsiness and dizziness.

#### SAFETY STATEMENTS:

S36/37 Wear suitable protective clothing and gloves.  
S7 Keep container tightly closed.

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### SECTION 3. HAZARDS IDENTIFICATION (CONTINUED)

S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition. No smoking.  
S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S29 Do not empty into drains.  
S45 In case of accident, or if you feel unwell, seek medical advice immediately. (Show the label where possible).  
S46 If swallowed, seek medical advice immediately, and show this container or label.  
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

### SECTION 4. FIRST AID MEASURES

#### EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

#### SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

#### INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).

#### SWALLOWING:

Rinse mouth. Give a slurry of activated charcoal in water to drink. Give plenty of water to drink. Do NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY. Rest. Do NOT give liquids to an unconscious or convulsing person.

### SECTION 5. FIRE FIGHTING MEASURES

#### FIRE & EXPLOSION PREVENTIVE MEASURES

NO open flames, NO sparks, & NO smoking. Use a closed system, ventilation, explosion-proof electrical equipment, lighting. Do NOT use compressed air for filling, discharging, or handling.

#### EXTINGUISHING MEDIA

Use dry powder, AFFF, alcohol-resistant foam, water spray, water in large amounts, carbon dioxide.

#### SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

#### UNUSUAL EXPLOSION AND FIRE PROCEDURES

EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE  
Reacts with most metals producing hydrogen which is extremely flammable &

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#### SECTION 5. FIRE FIGHTING MEASURES (CONTINUED)

may explode. Keep container tightly closed. Isolate from oxidizers, alkalis, heat, sparks, electric equipment & open flame. Applying to hot surfaces requires special precautions. Closed containers may explode if exposed to extreme heat. Empty container very hazardous! Continue all label precautions!

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

##### PERSONAL PROTECTIVE MEASURES:

EVACUATE DANGER AREA! Consult an expert!  
Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Keep unprotected personnel away. Ventilate spill area. Remove all ignition sources. Use complete chemical protective suit with self-contained breathing apparatus.

##### CONTAINMENT AND CLEAN-UP MEASURES:

Stop spill at source. Dike and contain. Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent. Remove to safe place. Do NOT wash away into sewer. Do NOT let this chemical enter the environment.

#### SECTION 7. HANDLING AND STORAGE

##### HANDLING

Isolate from oxidizers, alkalis, heat, sparks, electric equipment & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions! NEVER pour water into this substance. When dissolving or diluting, always add it slowly to the water.

##### STORAGE

Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone. Keep in fireproof surroundings. Keep separated from strong oxidants, strong acids, strong bases, food & feedstuffs. Keep cool. Keep dry. See: Section 10, <Materials to Avoid>. Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage. Reacts with most metals producing hydrogen which is extremely flammable & may explode. Wear full face shield, gloves & full protective clothing when opening or handling. When empty, drain completely, replace bungs securely. Do not allow to evaporate to near dryness. Addition of water or proper reducing agents will lessen peroxide formation.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

##### RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION: (CONTINUED)

VENTILATION

LOCAL EXHAUST : Necessary  
MECHANICAL (GENERAL) : Necessary  
SPECIAL : None  
OTHER : None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

PERSONAL PROTECTIONS:

Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers.  
Wash at end of each workshift & before eating, smoking or using the toilet.  
Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

SECTION 9. PHYSICAL DATA

APPEARANCE :			Liquid, Water-White
ODOR :			Ketone
BOILING RANGE :			Not Applicable
AUTO IGNITION TEMPERATURE :	421 C / 790 F	(Lowest Component)	
LOWER FLAMMABLE LIMIT IN AIR (% by vol):		1.1	(Lowest Component)
FLASH POINT (TEST METHOD):	-16 C / 2 F (TCC)	(Lowest Component)	
FLAMMABILITY CLASSIFICATION:			Class I B
GRAVITY @ 68/68 F / 20/20 C :			
SPECIFIC GRAVITY (Water=1) :			1.514
POUNDS/GALLON :			12.612
VOC'S (>0.44 Lbs/Sq In) :	28.0 Vol. % /	424.3 g/L /	3.534 Lbs/Gal
TOTAL VOC'S (TVOC) :	49.6 Vol. % /	424.3 g/L /	3.534 Lbs/Gal
NONEXEMPT VOC'S (CVOC) :	45.9 Vol. % /	395.2 g/L /	3.291 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS) :	31.4 Wt. % /	268.6 g/L /	2.237 Lbs/Gal
VAPOR PRESSURE (mm of Hg)@20 C			41.9
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)			21.8
VAPOR DENSITY (air=1) :			3.1
WATER ABSORPTION :			Complete
pH (Neutrality) :			0.0

SECTION 10. STABILITY & REACTIVITY

STABILITY

Stable but Reacts with most metals producing hydrogen which is extremely flammable & may explode.

CONDITIONS TO AVOID

Isolate from oxidizers, alkalis, heat, sparks, electric equipment & open flame.

MATERIALS TO AVOID

The substance is a medium strong acid, reacts violently with bases and is corrosive. This substance violently polymerizes under the influence of azo compounds and epoxides. On combustion forms irritating and toxic gases including phosphorus oxides. The substance can presumably form explosive peroxides under the influence of light and air. Check for peroxide prior to distillation, eliminate if found. Reacts violently with strong oxidants, strong reducing agents, strong acids, strong bases, causing fire & explosion hazard.

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#### SECTION 10. STABILITY & REACTIVITY (CONTINUED)

Reacts with alcohols, aldehydes, ketones, phenols, esters, halogenated organics.  
Reacts with amines, cyanides, sulfides producing toxic fumes.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide, Silicon Dioxide, Titanium Oxide from burning.

#### HAZARDOUS POLYMERIZATION

Will not occur.

#### SECTION 11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Talc	-	None Known	None Known	No
Xylenes	1330-20-7	100 ppm	100 ppm A4	Yes
Acrylic Resin	-	None Known	None Known	No
n-Butyl Acetate	123-86-4	150 ppm	150 ppm	No
Titanium Dioxide	13463-67-7	None Known	None Known	No
Toluene	108-88-3	200 ppm	50 ppm A4	Yes
Ethylbenzene	100-41-4	100 ppm	100 ppm A3	Yes
Methyl Ethyl Ketone	78-93-3	200 ppm	200 ppm	No
Acetone	67-64-1	1000 ppm	500 ppm A4	No
Methyl Isobutyl Ketone	108-10-1	100 ppm	50 ppm	Yes
Methanol	67-56-1	200 ppm S	200 ppm S	Yes
Phosphoric Acid	7664-38-2	None Known	None Known	No

In addition to EPA Hazardous Air Pollutants showing 'Yes' under "HAP" above, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%):  
Benzene, Cumene

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
Xylenes	1330-20-7	None Known	150 ppm
n-Butyl Acetate	123-86-4	None Known	200 ppm
Ethylbenzene	100-41-4	None Known	125 ppm
Methyl Ethyl Ketone	78-93-3	None Known	300 ppm
Acetone	67-64-1	None Known	750 ppm
Methyl Isobutyl Ketone	108-10-1	None Known	75 ppm
Methanol	67-56-1	None Known	250 ppm
Phosphoric Acid	7664-38-2	None Known	3 ppm

#### ACUTE HAZARDS

#### EYE & SKIN CONTACT:

Severe burns to skin, defatting, dermatitis. Absorption thru skin increases exposure.  
Severe burns to eyes, redness, tearing, blurred vision.  
Liquid can cause Severe skin & eye burns . Wash thoroughly after handling.

#### INHALATION:

Severe respiratory tract irritation may occur. Vapor harmful.  
Breathing vapor can cause irritation.  
Acute overexposure can cause harm to kidneys, blood, nerves, liver, lungs.  
Use of alcoholic beverages enhances the harmful effect.

#### SWALLOWING:

Harmful or fatal if swallowed.  
The symptoms of chemical pneumonitis may not show up for a few days.

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#### SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

##### CONDITIONS AGGRAVATED

Chronic overexposure can cause harm to kidneys, blood, nerves, liver, lungs.  
Persons with severe skin, liver or kidney problems should avoid use.

#### CHRONIC HAZARDS

##### CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

Pregnant women should avoid use. May cause birth defects.  
Potential Cancer Hazard based on tests with laboratory animals using Ethylbenzene. Overexposure may create cancer risk. Leukemia been reported in humans from Benzene.  
This product contains less than 39 ppm of Benzene.  
Not considered hazardous in such low concentrations.  
Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.  
Depending on degree of exposure, periodic medical examination is indicated.  
Some persons may be more sensitive to the substance's effect on blood cells.

#### SECTION 12. ECOLOGICAL INFORMATION

##### MAMMALIAN INFORMATION:

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE DATA
Methanol	67-56-1	LOWEST KNOWN LD50 (ORAL) 1000.0 mg/kg (Man)
n-Butyl Acetate	123-86-4	LOWEST KNOWN LC50 (VAPORS) 2000 ppm (Rats)

##### AQUATIC ANIMAL INFORMATION:

The most sensitive known aquatic group to any component of this product is: Goldfish 250 ppm or mg/L (24 hour exposure). Keep out of sewers and natural water supplies. The substance is toxic to aquatic organisms.

##### MOBILITY

Mobility of this material has not been determined.

##### DEGRADABILITY

This product is partially biodegradable.

##### ACCUMULATION

Bioaccumulation of this product has not been determined.

#### SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options.  
Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies.

#### SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING NAME: RQ,Paint Related Material  
(Contains: Xylene,Toluene),3,UN1263,PG-II  
DRUM LABEL: (FLAMMABLE LIQUID)  
IATA / ICAO: RQ,Paint Related Material  
(Contains: Xylene,Toluene),3,UN1263,PG-II

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SECTION 14. TRANSPORT INFORMATION (CONTINUED)

IMO / IMDG: RQ, Paint Related Material  
(Contains: Xylene, Toluene), 3, UN1263, PG-II  
EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

SECTION 15. REGULATORY INFORMATION

EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	WT. % (REG. SECTION)	RQ (LBS)
*Xylenes	1330-20-7	18 (311,312,313,RCRA)	100
n-Butyl Acetate	123-86-4	11 (311,312)	5000
*Toluene	108-88-3	5 (311,312,313,RCRA)	1000
*Ethylbenzene	100-41-4	< 5 (311,312,313,RCRA)	1000
Methyl Ethyl Ketone	78-93-3	< 4 (311,312)	5000
Acetone	67-64-1	< 4 (311,312)	5000
*Methyl Isobutyl Ketone	108-10-1	< 2 (311,312,313,RCRA)	5000
*Methanol	67-56-1	< 2 (311,312,313,RCRA)	5000
Phosphoric Acid	7664-38-2	< 1 (302,311,312)	5000

> 556 LB / 253 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF XYLENES.  
Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively.  
Failure to report may result in substantial civil and criminal penalties.  
State & local regulations may be more restrictive than federal regulations.

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: This product contains the following chemicals known to the State of California to cause cancer: Ethylbenzene, & reproductive toxicity: Toluene.

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:  
Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 2, HEALTH (HMIS): 3, FLAMMABILITY: 3, REACTIVITY: 0  
This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING

See Section 3 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

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NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

Unless updated, this Material Safety Data Sheet is valid until 06/27/2010.