

## MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1.

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 IDENTITY: PC101 THINNER  
COMPANY IDENTITY: Start International  
COMPANY ADDRESS: 4270 Airborn Drive  
COMPANY CITY: Addison, TX 75001  
COMPANY PHONE: 1-972-248-1999  
CHEMTREC PHONE: 1-800-424-9300

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS: 50-60% XYLENES (1330-20-7)[215-535-7],

25-35% TOLUENE (108-88-3)[203-625-9],

10-15% ETHYLBENZENE (100-41-4)[202-849-4]

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

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## SECTION 3. HAZARDS IDENTIFICATION

## RISK STATEMENTS:

R11 Highly Flammable.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R20/65 Harmful by inhalation, may cause lung damage if swallowed.

## SAFETY STATEMENTS:

S16 Keep away from sources of ignition. No smoking.  
S29 Do not empty into drains.  
S24/25 Avoid contact with skin and eyes.

#### 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 give artificial respiration.

##### SWALLOWING:

If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down & keep warm. Vomiting may lead to pneumonitis, which may be fatal.

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#### SECTION 5. FIRE FIGHTING MEASURES

##### EXTINGUISHING MEDIA

NFPA Class B extinguishers(Carbon Dioxide or foam)for Class I B liquid fires.

##### 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

HIGHLY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE

Keep container tightly closed.

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

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

Empty container very hazardous! Continue all label precautions!

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

##### CONTAINMENT TECHNIQUES

Stop spill at source. Dike area & contain.

##### CLEAN-UP PROCEDURES:

Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.

SECTION 7. HANDLING AND STORAGE

HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame.  
Use only with adequate ventilation. Avoid breathing of vapor or spray mist.  
Avoid prolonged or repeated contact with skin.  
Wear OSHA Standard goggles or 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!

STORAGE

Do not store above 49 C/120 F. Store large amounts in structures made for OSHA Class I B liquids  
Keep container tightly closed  
& upright when not in use to prevent leakage.

XYTOB3 SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

EXPOSURE CONTROLS

Ventilate to keep vapors of this material below 30 ppm.  
If over TLV, in accordance with 29 CFR 1910.134,  
use NIOSH approved positive-pressure self-contained breathing apparatus.  
Consult Safety Equipment Supplier. Use explosion-proof equipment.

VENTILATION

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

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or 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 : Aromatic  
 BOILING RANGE : 115 132 142 C / 239 271 288 F  
 AUTO IGNITION TEMPERATURE : 510 C / 950 F (Lowest Component)  
 LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.2  
 FLASH POINT (TEST METHOD): 11 C / 52 F (TCC)  
 FLAMMABILITY CLASSIFICATION: Class I B  
 GRAVITY @ 60 F :  
     API : 31.1  
     SPECIFIC GRAVITY (Water=1) : .870  
     POUNDS/GALLON : 7.247  
 VOC'S (>0.44 Lbs/Sq In) : 100.1 Vol. % / 871.0 g/L / 7.255 Lbs/Gal  
 TOTAL VOC'S (TVOC) : 100.0 Vol. % / 870.0 g/L / 7.247 Lbs/Gal  
 NONEXEMPT VOC'S (CVOC) : 100.0 Vol. % / 870.0 g/L / 7.247 Lbs/Gal  
 HAZARDOUS AIR POLLUTANTS (HAPS) : 100.0 Wt. % / 870.0 g/L / 7.247 Lbs/Gal  
 VAPOR PRESSURE (mm of Hg)@20 C 11.9  
 NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) 11.9  
 VAPOR DENSITY (air=1) : 3.5  
 WATER ABSORPTION : Negligible  
 REFRACTIVE INDEX : 1.496

## SECTION 10. STABILITY &amp; REACTIVITY

## STABILITY

Stable

## CONDITIONS TO AVOID

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

## MATERIALS TO AVOID

Isolate from strong oxidizers such as permanganates,chromates &amp; peroxides.

## HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

## HAZARDOUS POLYMERIZATION

Will not occur.

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## SECTION 11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Xylenes	1330-20-7	100 ppm	100 ppm A4	Yes
Toluene	108-88-3	200 ppm	50 ppm A4	Yes
Ethylbenzene	100-41-4	100 ppm	100 ppm A3	Yes

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

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## SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
Xylenes	1330-20-7	None Known	150 ppm
Ethylbenzene	100-41-4	None Known	125 ppm

## ACUTE HAZARDS

## EYE &amp; SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.

Absorption thru skin increases exposure.

Primary irritation to eyes, redness, tearing, blurred vision.

Liquid can cause eye irritation. Wash thoroughly after handling.

## INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure

can cause serious nervous system depression. Vapor harmful.

Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

## SWALLOWING:

Harmful or fatal if swallowed.

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

## SUBCHRONIC HAZARDS/CONDITIONS AGGREGATED

## CONDITIONS AGGREGATED

Chronic overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

Persons with severe skin, liver or kidney problems should avoid use.

## CHRONIC HAZARDS

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

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 160 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.

PRODUCT IDENTITY: PC101 THINNER  
NEW MSDS DATE: 09/05/2003

## SECTION 12. ECOLOGICAL INFORMATION

## MAMMALIAN INFORMATION:

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE DATA
Toluene	108-88-3	LOWEST KNOWN LD50 (ORAL) 3000.0 mg/kg(Rats)
Xylene	1330-20-7	LOWEST KNOWN LC50 (VAPORS) 5000 ppm (Mice)

## AQUATIC ANIMAL INFORMATION:

The most sensitive known aquatic group to any component of this product is:  
Fish are adversely affected by  
components of this product.

## MOBILITY

This material is a mobile liquid.

## DEGRADABILITY

This product is nonbiodegradable.

## ACCUMULATION

This product does not accumulate or biomagnify in the environment.

## SECTION 13. DISPOSAL CONSIDERATIONS

Recycle / dispose of observing national, regional, state, provincial and local  
health, safety & pollution laws.

If questions exist, contact the appropriate agencies.

## SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING NAME: RQ, Flammable Liquids, n.o.s.

(Xylene, Toluene), 3, UN1993, PG-II

IF > 178 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" OF  
XYLENE IS EXCEEDED.

DRUM LABEL: (FLAMMABLE LIQUID)

IATA / ICAO: RQ, Flammable Liquids, n.o.s.

(Xylene, Toluene), 3, UN1993, PG-II

IMO / IMDG: RQ, Flammable Liquids, n.o.s.

(Xylene, Toluene), 3, UN1993, PG-II

EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

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## 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.

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## SECTION 15. REGULATORY INFORMATION (CONTINUED)

SARA TITLE III INGREDIENTS	CAS#	WT. % (REG. SECTION)	RQ(LBS)
*Xylenes	1330-20-7	<60 (311,312,313,RCRA)	100
*Toluene	108-88-3	<40 (311,312,313,RCRA)	1000
*Ethylbenzene	100-41-4	<20 (311,312,313,RCRA)	None

IF > 178 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" OF XYLENE IS EXCEEDED.

## STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: This product contains the following chemicals known to the State of California to cause cancer & reproductive toxicity:  
Ethylbenzene, 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): 2

FLAMMABILITY: 3

REACTIVITY: 0

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

## EMPLOYEE TRAINING

Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

## 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.