

PRECISION COATINGS SAFETY DATA SHEET

Section 1. Identification

GHS product identifier: 14610 Primer Converter
Product number: 14610
Product use: Surface Coating Converter
Restrictions on use: None known
Manufacture/Supplier: Precision Coatings
Address: 1940 E. Trafficway
Springfield, MO 65802
Telephone: 417-862-5738
FAX: 417-862-8874
Website: www.precisioncoatingsinc.com
Emergency telephone number: 800-424-9300 Chemtrec Contract CCN675735

Section 2. Hazards identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazardous Communication Standard (29 CFR 1910.1200).

Hazard classification:

Physical hazards: Flammable Liquids: Category 2

Health hazards: Skin Corrosion/Irritation: Category 2
Serious Eye Damage/Eye Irritation: Category 2A
Specific Target Organ Toxicity (Repeated Exposure): Category 2
Carcinogenicity: Category 2

GHS label elements

Hazard pictograms:



Signal word: Danger

Hazard statements: H225: Highly flammable liquid and vapor.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H351: Suspected of causing cancer.
H373: May cause damage to the hearing organs through prolonged or repeated exposure.

Precautionary statements:

Prevention: P201: Obtain special instructions before use.
P202: Do not handle until safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

PRECISION COATINGS

SAFETY DATA SHEET

- Response:** P370+P378: In case of fire; Use water spray, carbon dioxide, dry chemical or alcohol foam for extinction.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363: Wash contaminated clothing before reuse.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+313: IF exposed or concerned: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.
- Storage:** P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P235: Keep cool.
P405: Store locked up.
- Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None known.

Section 3. Composition / Information on Ingredients

Components	CAS #	Percent
4-methyl-2-pentanone	108-10-1	3-6
Parachlorobenzotrifluoride	98-56-6	45-55
Xylene	13463-67-7	2-4
Ethylbenzene	471-34-1	0.4-0.8

Section 4. First aid measures

- Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. In case of irritation from airborne exposure, move to fresh air. Get medical attention promptly.
- Skin Contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask of self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Ingestion:** Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

PRECISION COATINGS SAFETY DATA SHEET

Most important symptoms/effects, acute

Potential acute health effects

- Eye contact:** Causes serious eye irritation.
- Skin contact:** Causes skin irritation.
- Inhalation:** Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.
- Ingestion:** Can cause central nervous system (CNS) depression. Irritating to mouth and stomach.

Over-exposure signs/symptoms

- Eye contact:** Adverse symptoms may include the following:
pain or irritation.
Watering
Redness
- Skin contact:** Adverse symptoms may include the following:
irritation
redness
- Inhalation:** Adverse symptoms may include the following:
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
- Ingestion:** Adverse symptoms may include the following:
nausea or vomiting

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician:** Not available
- Specific treatments:** Treat symptomatically and supportively.
- Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Section 5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, carbon dioxide, water spray (fog) or foam.

Unsuitable extinguishing

PRECISION COATINGS

SAFETY DATA SHEET

media:	Do not use water jet.
Special hazards arising from the substance or mixture:	Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
Hazardous thermal decomposition products:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, smoke, oxides of nitrogen.
Special protective actions for fire-fighters:	Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.
Special protective equipment for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus with full face piece operated in the positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and material for containment and cleaning up:	Eliminate sources of ignition. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Use only non-combustible material for clean-up. Recover by pumping (use explosion proof or hand pump). Use clean, non-sparking tools to collect absorbed materials. Eliminate all ignition sources. Prevent additional discharge of material is able to do so safely. Do not touch or walk through spilled material. Collect spilled materials for disposal. Wear appropriate personal protective equipment (see Section 8 Exposure controls/personal protection). Evacuate unnecessary personnel. Do not apply water to the leak.

Section 7. Handling and storage

Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Persons with a history of skin sensitization should not be employed in any process in which this product is used. Do not swallow. Avoid breathing vapor or mist. Use only with adequate
---------------------------------------	--

PRECISION COATINGS SAFETY DATA SHEET

ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion proof electrical equipment. Empty containers retain product residue and can be hazardous. Do not reuse container. Ground and bond containers when transferring material. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls / personal protection

**Control parameters
Occupational exposure limits**

U.S. ACGIH Threshold Limit Values

Components	Type	Value	Form
4-methyl-2-pentanone	TWA	20ppm	
	STEL	75ppm	
Xylene, mixture of isomers	TWA	100ppm 8 hours	
		434mg/m3 8 hours	
	STEL	150ppm 15 minutes	
Ethylbenzene		651 mg/m3 15 minutes	
	TWA	20ppm	
	STEL	125ppm	

U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
4-methyl-2-pentanone	PEL	100ppm 410 mg/m3	
	STEL	75ppm 300mg/m3	
Xylene, mixture of isomers	PEL	100ppm 435 mg/m3	
Ethylbenzene	PEL	100ppm 435 mg/m3	

Appropriate engineering controls:

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Safety glasses equipped with side shields are recommended as minimum protection in industrial

PRECISION COATINGS SAFETY DATA SHEET

settings.

Skin protection

- Hand protection:** Chemical-resistant gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers.
- Body protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection:** Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical & Chemical Properties

Appearance

Physical state:	Liquid
Form:	Liquid
Color:	Amber
Odor:	Pungent
Odor threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	114°C-139.3°C (237°F-282.7°F)
Flash point:	14°C (57°F) (Tag closed cup)
Evaporation rate:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density:	➤ 1 Air = 1
Relative density:	1.0658-1.1858
Solubility(ies):	Insoluble in the following materials: cold water
Partition coefficient: n-octanol/water:	Not available

PRECISION COATINGS SAFETY DATA SHEET

Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available
VOC (mixed less water & exempt compounds): 96 grams/liter
Other information: No additional information

Section 10. Chemical stability & reactivity information

Reactivity: None known.
Chemical stability: Stable.
Possibility of hazardous reactions: None known.
Conditions to avoid: All possible sources of ignition (heat, sparks, flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible materials: Strong oxidizing agents. Strong acids. Strong alkalis.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Conclusion/summary: Not available

Oral: Xylene, mixture of isomers: Oral LD50 (Rat): 4300 mg/kg
Ethylbenzene: Oral LD50 (Rat): 3500 mg/kg

Dermal: Ethylbenzene: Dermal LD50 (Rabbit): 15,433 mg/kg

Inhalation: Xylene, mixture of isomers: LC50 Rat, 4 h): 5000 mg/l

Irritation/Corrosion

Skin: Xylene, mixture of isomers (Rat): Mild, 8 h 60 microliters
(Rabbit): Moderate, 24 h 500 mg
(Rabbit): Moderate, 100%
Ethylbenzene (Rabbit, 24 h): Moderate

Eyes: Ethylbenzene (Rabbit): Mild

Respiratory: Not available

PRECISION COATINGS SAFETY DATA SHEET

Sensitization

Skin: Not available

Respiratory: Not available

Mutagenicity

Conclusion/Summary: Ethylbenzene: Hamster ovary: negative. Mouse, male and female: negative

Carcinogenicity

Conclusion/Summary: Carcinogenic categories:
IRAC:
CAS 108-10-1 4-methyl-2pentanone: 2B
CAS 1330-20-7 Xylene, mixture of isomers: 3
CAS 100-41-4 Ethylbenzene: 2B
CAS 108-88-3 Toluene: 3

NTP:
None of the ingredients are listed

OSHA:
None of the ingredients are lists

Reproductive toxicity

Conclusion/Summary: Not available

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

Information on likely routes of exposure: Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects:

Eye contact: Causes serious eye irritation.

Inhalation: Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.

Skin contact: Causes skin irritation.

Ingestion: Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include pain or irritation, watering, redness.

PRECISION COATINGS SAFETY DATA SHEET

Inhalation:	Adverse symptoms may include nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness.
Skin contact:	Adverse symptoms may include irritation, redness.
Ingestion:	Adverse symptoms may include nausea or vomiting.
Potential chronic health effects:	Overexposure may cause nervous system damage. Overexposure may cause kidney damage. May cause liver disorder (e.g., edema, proteinuria) and damage. Significant exposure adversely affect people with chronic disease of the respiratory system, skin, and/or eyes.

Section 12. Ecological information

Toxicity

Acute toxicity

Fish

Product: Not available

Specified substances: Not available

Aquatic invertebrates

Product: Not available

Chronic toxicity

Fish

Product: Not available

Aquatic invertebrates

Product: Not available

Toxicity to aquatic plants

Product: Not available

Specified substances: Not available

Persistence and degradability

Biodegradation

Product: Not available

Specified substances: Not available

Biological Oxygen Demand

Product: Not available

Specified substances: Not available

Chemical Oxygen Demand

Product: Not available

Specified substances: Not available

BOD/COD ratio: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Results of PBT and vPvB assessment: Not available

Other adverse effects: Not available

PRECISION COATINGS SAFETY DATA SHEET

Section 13. Disposal considerations

Disposal methods: Dispose of waste in accordance with all local, state and federal regulations.

Section 14. Transport information

DOT

Basic shipping requirements:

UN number	UN1263
Proper shipping name	Paint Related Material
Hazard class	Flammable Liquid
Labels required	3
Additional information:	
Packaging exceptions	150
Packaging non bulk	173
Packaging bulk	242

IATA

Basic shipping requirements:

UN Number	1263
Proper shipping name	Paint
Hazard class	3
Packing group	II

Section 15. Regulatory information

US federal regulations

OSHA: This product is hazardous according to OSHA 29 CFR 1910.1200

SARA Title III Section 313 – Toxic Chemical: Listed Substance:

CAS 108-10-1 4-methyl-2-pentanone
CAS 1330-20-7 xylene, mixture of isomer
CAS 100-41-4 ethylbenzene
CAS 108-88-3 toluene

SARA Title III Section 302 Extremely hazardous substances:

None

SARA Title III Section 311/312 Hazard categories:

Immediate (acute) health hazard
Delayed (chronic) health hazard
Fire hazard

Inventory Status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

PRECISION COATINGS SAFETY DATA SHEET

State Regulations

California Proposition 65: **Warning:** This product contains a chemical known to the State of California to cause cancer.
Warning: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Section 16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA

HMIS® ratings Health: 2
Flammability: 3
Physical hazard: 1

NFPA ratings Health: 2
Flammability: 3
Instability: 1

Disclaimer The information on this SDS was obtained from sources which we believe to be reliable. However, the information provided is without warranty, expressed or implied, regarding its correctness. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information and recommendations are offered for the user's consideration and examination and should be used to make independent determination of the methods to safeguard workers and the environment. The conditions or methods of handling storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For these reasons we do not assume responsibility and expressly disclaim any liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use or disposal of this product. It is the responsibility of the user to comply with all Federal, State and Local laws and regulations.

Issue date 05/26/2015