

SECTION 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF HAZARDOUS PRODUCT:

Flammable liquids (Category 2)
Skin corrosion / irritation (Category 2)
Serious eye damage/irritation (Category 2A)
Specific target organ toxicity- repeated exposure (Category 2)
Hazardous to the aquatic environment – acute (Category 3)

HAZARD AND PRECAUTIONARY STATEMENTS:

H225 Highly flammable liquid and vapour
H319 Causes serious eye irritation
H315 Causes skin irritation
H373 May cause damage to organs (auditory organs) through prolonged or repeated exposure
H402 Harmful to aquatic life

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed. **P240** Ground and bond container and receiving equipment. **P241** Use explosion-proof equipment. **P242** Use non-sparking tools. **P243** Take action to prevent static discharge.
P260 Do not breathe dust/fume/gas/mist/vapours/spray. **P280** Wear protective gloves/ protective clothing/ eye protection/ face protection. **P264** Wash hands thoroughly after handling. **P314** Get medical advice/attention if you feel unwell. **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. **P303 + P361 + P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. **P332 + P313** If skin irritation occurs: Get medical advice/attention. **P362 + P364** Take off contaminated clothing and wash it before reuse. **P370 + P378** In case of fire: Use dry powder or foam to extinguish. **P403 + P235** Store in a well-ventilated place. Keep cool. **P273** Avoid release to the environment. **P501** Dispose of contents/container into safe container in accordance with local, regional or national regulations.

OTHER HAZARDS KNOWN:

None known

GHS SPECIAL LABELING:

None known

GHS LABEL ELEMENTS

Hazard Pictograms/symbols



SIGNAL WORD: DANGER

SECTION 1.

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER	PU-3500 A
OTHER MEANS OF IDENTIFICATION	NONE
RECOMMENDED USE:	POLYURETHANE RESIN
MANUFACTURED BY:	CTM ADHESIVES INC. 8320 GRENACHE MONTRÉAL, QUÉBEC CANADA H1J 1C5
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PREPARED BY:	THE HEALTH, SAFETY AND ENVIRONMENTAL DEPARTMENT OF CTM ADHESIVES
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SECTION 3.

COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION (%)
XYLENE	1330-20-7	1-10 %
PROPYLENE CARBONATE	108-32-7	1-10 %

SECTION 4.

FIRST AID MEASURES

INHALATION	IF INHALED: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.
INGESTION	IF SWALLOWED: DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. GIVE TWO GLASSES OF WATER FOR DILUTION. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
SKIN CONTACT	IF ON SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER. IMMEDIATELY REMOVE CONTAMINATE CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN SHOES BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.
EYE CONTACT	IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. SEEK MEDICAL ATTENTION.

MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE AND DELAYED):

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

GENERAL INFORMATION:

If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

Suitable extinguishing media:
In case of fire: In case of fire: Foam. Dry chemical powder.

Unsuitable extinguishing media:
No data available

SPECIFIC HAZARDS ARISING FROM THE HAZARDOUS PRODUCT:

Harmful vapors and evolution of fumes/fog may develop during burning or thermal decomposition.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTING:

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Containers may rocket or explode in heat of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Isolate area. Keep unnecessary and unprotected personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained. For personal protection, see section 8 of the SDS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Large spills: Pump off product. For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools. Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid use of electric band heaters. Avoid release to the environment. Observe good industrial hygiene practices.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep away from heat, sparks and open flames. Store in cool and dry, under well-ventilated conditions. Store away from incompatible materials (see Section 10 of the SDS). Keep container closed when not in use.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS (BIOLOGICAL LIMIT VALUES OR EXPOSURE LIMIT VALUES AND SOURCE OF THOSE VALUES) EXPOSURE LIMITS

CAS 1330-20-7	OSHA PEL: PEL 100 PPM 435 MG/M ³ ; STEL VALUE 150 PPM 655 MG/M ³ ; TWA VALUE 100 PPM 435 MG/M ³ ACGIH TLV: TWA VALUE 100 PPM; STEL VALUE 150 PPM
CAS 108-32-7	NO EXPOSURE LIMITS NOTED FOR THE INGREDIENT(S)

ENGINEERING CONTROLS:

General dilution and local exhaust ventilation as necessary to control airborne vapors, aerosols (e.g. dusts, mists) and thermal decomposition products. Heating may result in generation of airborne vapors and/or aerosols.

PERSONAL PROTECTIVE EQUIPMENT:

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator. Wear appropriate chemical resistant protective gloves. Wear tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists. Wear appropriate protective clothing. When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eyewash fountains and safety showers are recommended in the work area.

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY:

This product is stable and non-reactive under normal conditions of use, storage and transport.

CHEMICAL STABILITY:

This product is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerisation does not occur.

CONDITIONS TO AVOID:

Avoid extreme heat. Avoid sources of ignition. Avoid unintended contact with isocyanates.

INCOMPATIBLE MATERIALS:

Oxidizing agents, acids, alkaline.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon dioxide.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE/ APPEARANCE/ COLOR:	TRANSPARENT LIQUID, YELLOW
ODOUR:	MILD TO FRUITY
ODOUR THRESHOLD:	NOT AVAILABLE
PH:	NOT AVAILABLE
MELTING/FREEZING POINT:	NOT AVAILABLE
INITIAL BOILING POINT/RANGE:	> 138 °C
FLASH POINT (CLOSED CUP):	> 17 °C
EVAPORATION RATE:	NOT AVAILABLE
FLAMMABILITY (SOLIDS AND GASES):	FLAMMABLE
UPPER AND LOWER FLAMMABILITY/EXPLOSIVE LIMITS	NOT AVAILABLE
VAPOUR PRESSURE:	NOT AVAILABLE
VAPOUR DENSITY:	NOT AVAILABLE
RELATIVE DENSITY:	1.022 (G/ML)
SOLUBILITY:	NOT AVAILABLE
VISCOSITY:	700 – 900 CPS
PARTITION COEFFICIENT-N-OCTANOL / WATER:	NOT AVAILABLE
AUTO-IGNITION TEMPERATURE:	NOT AVAILABLE
DECOMPOSITION TEMPERATURE:	NOT AVAILABLE
VOC:	NOT ESTABLISHED
OTHER:	NONE KNOWN

SECTION 11. TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE (INHALATION, INGESTION, SKIN AND EYE CONTACT):

Skin contact. Eye contact. Inhalation. Ingestion.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

May cause skin irritation with symptoms of reddening, itching, and swelling. May cause eye irritation with symptoms of reddening, tearing, stinging, and swelling. May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

DELAYED AND IMMEDIATE EFFECTS (CHRONIC EFFECTS FROM SHORT- TERM AND LONG-TERM EXPOSURE):

Skin Sensitization – No data available;

Respiratory Sensitization – No data available;

Germ Cell Mutagenicity – No data available;

Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA Reproductive Toxicity No data available;

Specific Target Organ Toxicity — Single Exposure – No data available;

Specific Target Organ Toxicity - Repeated Exposure – No data available;

Aspiration Hazard – No data available;

Health Hazards Not Otherwise Classified – No data available.

NUMERICAL MEASURES OF TOXICITY (ATE; LD50 & LC50):

CAS 1330-20-7 LD50, Oral - Rat >5000 mg/kg
 LD50, Dermal – Rat >2000 mg/kg
 LC50, Inhalation – Rat >20 mg/L, 4hr

CAS 108-32-7 LD50, Oral - Rat >5000 mg/kg
 LD50, Dermal – Rabbit >2000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY (AQUATIC AND TERRESTRIAL INFORMATION):

NOT CONSIDERED HAZARDOUS TO THE AQUATIC ENVIRONMENT.

PRODUCT	SPECIES	RESULT
CAS 1330-20-7	NO DATA AVAILABLE	
CAS 108-32-7	LC50 CYPRINUS CARPIO EC50 DAPHNIA MAGNA (WATER FLEA)	> 1000 MG/L - 96 H > 1000 MG/L - 48 H

MOBILITY IN SOIL:

Not enough data available.

OTHER ADVERSE EFFECTS:

No data available.

PERSISTENCE AND DEGRADABILITY:

Not enough data available.

BIOACCUMULATIVE POTENTIAL:

Not enough data available.

SECTION 13. DISPOSAL CONSIDERATIONS

INFORMATION ON SAFE HANDLING FOR DISPOSAL/METHODS OF DISPOSAL/CONTAMINATED PACKAGING:

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

SECTION 14. TRANSPORT INFORMATION

UN NUMBER; PROPER SHIPPING NAME; CLASS(ES); PACKING GROUP (PG) OF THE TDG REGULATIONS:

UN1866; RESIN SOLUTION, flammable; CLASS 3; PG III

UN NUMBER; PROPER SHIPPING NAME; CLASS(ES); PACKING GROUP (PG) OF THE IMDG (MARITIME):

UN1866; RESIN SOLUTION, flammable; CLASS 3; PG III

UN NUMBER; PROPER SHIPPING NAME; CLASS(ES); PACKING GROUP (PG) OF THE IATA (AIR):

UN1866; RESIN SOLUTION, flammable; CLASS 3; PG III

SPECIAL PRECAUTIONS (TRANSPORT/CONVEYANCE):

None.

ENVIRONMENTAL HAZARDS (IMDG OR OTHER):

None

BULK TRANSPORT (USUALLY MORE THAN 450L IN CAPACITY):

Possible

SECTION 15. REGULATORY INFORMATION

SAFETY/HEALTH CANADIAN REGULATIONS SPECIFICS:

Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

ENVIRONMENTAL CANADIAN REGULATIONS SPECIFICS:

Refer to section 3 for ingredient(s) of the DSL.

SAFETY/HEALTH/ENVIRONMENTAL OUTSIDE REGULATIONS SPECIFICS:

None



URETHANE TOP COAT

PU-3500 A

Date of latest revision of the safety data sheet: 29 November 2016

Disclaimer:

NOTICE TO READER:

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END OF S.D.S.