



CUS AP-401 & 404 LOW VOC ADHESION PROMOTER SAFETY DATA SHEET

SECTION 1: Identification

1.1 Product identifier

Product name Custom Shop Premium Universal Adhesion Promoter and Tie Coat, 1 Quart - Paint Provides Superior Adhesion to Metal, Plastic, Fiberglass, Flex Agent - 50 State VOC Compliant for Autobody and Industrial

Product number CUS AP-404 (Quart)

Brand Custom Shop

1.2 Other means of identification

Adhesion Promoter, Adhesion Surface Coating

1.3 Recommended use of the chemical and restrictions on use

For Professional Use Only.

1.4 Supplier's details

Name Custom Shop
Address 6251 Howdy Wells Ave
Las Vegas, NV. 89115
U.S.A.

Telephone 858-909-2110

1.5 Emergency phone number(s)

Chemtrec: 800-424-3900 CCN644298

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, dermal, Cat. 4
- Acute toxicity, inhalation, Cat. 4
- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity (repeated exposure), Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Toxic to reproduction, Cat. 2
- Flammable liquids, Cat. 3

2.2 GHS label elements, including precautionary statements

Pictogram

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Signal word

Warning

Hazard statement(s)

H226
H312
H315
H319
H332
H335
H336
H361
H373

Flammable liquid and vapor
Harmful in contact with skin
Causes skin irritation
Causes serious eye irritation
Harmful if inhaled
May cause respiratory irritation
May cause drowsiness or dizziness
Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure

Precautionary statement(s)

P201
P202
P210
P233
P240
P241
P242
P243
P260
P264
P271
P280
P302+P352
P303+P361+P353

P304+P340
P305+P351+P338

P308+P313
P312
P314
P321
P332+P313
P337+P313
P362+P364
P370+P378
P403+P233
P403+P235
P405
P501

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/.../ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash ... thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water/...
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER/doctor/.../ if you feel unwell.
Get medical advice/attention if you feel unwell.
Specific treatment (see ... on this label).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use ... to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

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1. ADPRO Resin

Concentration $\geq 7.5 - < 15.5$ % (weight)

- Acute toxicity, dermal, Cat. 4
- Acute toxicity, inhalation, Cat. 4
- Eye damage/irritation, Cat. 2A
- Flammable liquids, Cat. 3
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity (repeated exposure), Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3

H226	Flammable liquid and vapor
H312+H332	Harmful in contact with skin or if inhaled
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]

2. XYLENES (MIXED)

Concentration $\geq 10 - < 20$ % (weight)

EC no. 215-535-7
CAS no. 1330-20-7
Index no. 601-022-00-9

- Flammable liquids, Cat. 3
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, dermal, Cat. 4
- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A
- Aspiration hazard, Cat. 1
- STOT RE 2 (Central Nervous System, Kidney, Liver)
- STOT SE 3 (Respiratory System)

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]

3. Chlorinated Polyolefin

Concentration $\geq 3 - < 9$ % (weight)

- USH201

4. 4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE

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Concentration	50 - 60 % (weight)
CAS no.	98-56-6
Index no.	604-014-00-3
H226	Flammable liquid and vapor
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer [route]
H411	Toxic to aquatic life with long lasting effects

5. Acetone

Concentration	10 - 20 % (weight)
EC no.	200-662-2
CAS no.	67-64-1
Index no.	606-001-00-8

- Flammable liquids, Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Serious eye damage/eye irritation, Cat. 2

H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.
If inhaled	If inhaled, move person into fresh air. If unconscious, place in recovery position and seek medical advice Consult a physician after significant exposure.
In case of skin contact	If on clothes, removes clothes. Wash off with soap and plenty of water. Consult a physician. Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Wash contaminated clothing before reuse.
In case of eye contact	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

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If swallowed

Do not induce vomiting or give anything by mouth. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Never give anything by mouth to a person who is not fully conscious. Do not leave victim unattended. Seek medical attention immediately

Personal protective equipment for first-aid responders

Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Dry chemical powder.
Water spray or fog - Large fires only. Use water spray
Alcohol-resistant foam
Carbon dioxide (CO₂)

5.2 Specific hazards arising from the chemical

ADPRO RESIN (25% IN XYLENE): No hazardous combustion products are known

XYLENES (MIXED): Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
Aldehydes

Chlorinated Polyolefin Resin: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE Do not allow run-off from fire fighting to enter drains or water courses.

Acetone
Carbon oxides
Combustible.
Pay attention to flashback.
Vapors are heavier than air and may spread along floors.
Development of hazardous combustion gases or vapours possible in the event of fire.
Forms explosive mixtures with air at ambient temperatures.

5.3 Special protective actions for fire-fighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

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Further information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Beware of vapours accumulating to form explosion. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container according to local / national regulations (see section 13).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid formation of aerosol. Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. XYLENES (MIXED) (CAS: 1330-20-7)

TWA (Inhalation): 100 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

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TWA (Inhalation): 435 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 100 ppm, (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

STEL (Inhalation): 150 ppm (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 100 ppm, (ST) 150 ppm, (C) 300 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 20 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 100 ppm, (ST) 435 mg/m³ (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 100 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 100 ppm, (ST) 125 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

STEL (Inhalation): 100 ppm, (ST) 545 ppm (OSHA)
OSHA Annotated Table P0, www.osha.gov

TLV® (Inhalation): 50 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 50 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 245 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 50 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 50 ppm 245 mg/m³ (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

2. ADPRO Resin (CAS: 1330-20-7)

TWA (Inhalation): 100 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 100 ppm, (ST) 150 ppm, (C) 300 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

STEL (Inhalation): 150 ppm (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 100 ppm, (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

STEL (Inhalation): 100 ppm, (ST) 545 ppm (OSHA)
OSHA Annotated Table P0, www.osha.gov

TWA (Inhalation): 100 ppm, (ST) 435 mg/m³ (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 50 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 50 ppm; USA (ACGIH)

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SAFETY DATA SHEET

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 100 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 100 ppm, (ST) 125 ppm (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

3. Chlorinated Polyolefin 730-1 (CAS: 108-90-7)

PEL (Inhalation): 75 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Appendix D (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

4. Acetone (CAS: 67-64-1)

PEL (Inhalation): 1000 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 2400 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 500 ppm, (ST) 750 ppm, (C) 3000 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 250 ppm (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 250 ppm, (ST) 500 ppm; USA (ACGIH)

OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits.

Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

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Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Environmental exposure controls

When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Hazy Liquid with slight yellow coloration
Odor	aromatic
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	0.8709
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Heat, flames and sparks sources.

Exposure to sunlight.

Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

10.5 Incompatible materials

ADPRO Resin (25% IN XYLENE): Strong oxidizing agents

XYLENES (MIXED): Strong oxidizing agents

Strong acids

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Nitrogen oxides (NOx)

Alkalis

Plastics

Reducing agent

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: Oxidizing agents

Reducing agents

Strong acids

Light metals

Acetone: Bases, Oxidizing agents, Reducing agents, Acetone reacts violently with phosphorous oxychloride.

10.6 Hazardous decomposition products

ADPRO Resin (25% IN XYLENE): Carbon oxides

XYLENES (MIXED): Carbon oxides

Hydrocarbons

Aldehydes

Chlorinated Polyolefin :

Carbon monoxide

Carbon dioxide (CO2)

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: Carbon monoxide

Chlorine

corrosive vapors

Fluorine

Hydrogen fluoride

hydrogen chloride

Acetone: Other decomposition products - No data available In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

ADPRO Resin (25% IN XYLENE): Harmful in contact with skin or if inhaled.

Product:

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Components:

xylenes:

Acute oral toxicity : LD50 Oral (Rat, male): 3,523 mg/kg

ethylbenzene:

Acute oral toxicity : LD50 Oral (Rat): 3,500 mg/kg

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Acute dermal toxicity : LD50 Dermal (Rabbit): 15,400 mg/kg

XYLENES (MIXED): Acute inhalation toxicity:

LC50 (rat, male): 6700ppm, Exposure time: 4h,

Assessment: The component/mixture is moderately toxic after short term inhalation

Acute dermal toxicity:

LD50 (Rabbit): 1,700 mg/kg

Assessment: the component/mixture is moderately toxic after single contact with skin

Chlorinated Polyolefin: Not classified based on available information.

Product:

Acute oral toxicity : Remarks: No data available

Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Components:

chlorobenzene:

Acute oral toxicity : LD50 Oral (Rat): 2,262 mg/kg

Acute inhalation toxicity : LC50 (Rat): 29.7 mg/l

Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal (Guinea pig): > 20,000 mg/kg

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

Acetone: LD50 Oral- Rat- Female- 5800 mg/kg

Remarks: (ECHA)

LC50 Inhalation-Rat- 4 h- 76 mg/l

Remarks: Unconscious, Drowsiness, Dizziness

LD50 Dermal-Rabbit- 20,000 mg/kg

Remarks: (IUCLID)

Skin corrosion/irritation

ADPRO Resin (25% IN XYLENE): Causes skin irritation.

Product:

Remarks : No data available

Components:

xylenes:

Species : Rabbit

Exposure time : 24 h

Result : slight

ethylbenzene:

Species : Rabbit

Exposure time : 24 h

Result : slight

XYLENES (MIXED): Species: Rabbit

Exposure time: 24h

Result: Irrating to skin

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Chlorinated Polyolefin: Not classified based on available information.

Components:

chlorobenzene:

Species : Guinea pig

Exposure time : 24 h

Result : slight to moderate

Serious eye damage/eye irritation

Not classified based on available information.

Components:

chlorobenzene:

Species : Rabbit

Result : slight

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: Result: Irritating to skin.

Remarks: May cause skin irritation in susceptible persons.

Acetone: Skin-Rabbi

Result: Mild Skin irritation- 24h

(Draize Test)

Remarks: (RTECS)

Serious eye damage/irritation

ADPRO Resin (25% IN XYLENE): Causes serious eye irritation.

Product:

Remarks : No data available

Components:

xylenes:

Species : Rabbit

Result : Severe irritation

Exposure time : 24 h

Remarks : Causes serious eye irritation.

ethylbenzene:

Species : Rabbit

Result : moderate to strong

XYLENES (MIXED): Species: Rabbit

Result: Irritating to eyes

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: Result: Irritating to eyes.

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

Remarks: May cause irreversible eye damage.

Acetone: Eyes-Rabbit

Result: Eye irritation - 24H

(Draize Test)

Remarks: (RTECS)

Respiratory or skin sensitization

ADPRO Resin (25% IN XYLENE): Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

Remarks : No data available

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Components:

xylenes:

Test Type : OECD 429: LLNA

Species : Mouse

Result : non-sensitizing

ethylbenzene:

Test Type : Skin Sensitization

Result : non-sensitizing

XYLENES (MIXED): May be fatal if swallowed and enters airways.

Chlorinated Polyolefin: Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

chlorobenzene:

Test Type : Skin Sensitization

Species : Guinea pig

Result : non-sensitizing

Acetone: Maximization Test - Guinea Pig

Result: Not a skin sensitizer

Remarks:

(ECHA)

Chronic exposure may cause dermatitis.

Germ cell mutagenicity

ADPRO Resin : Not classified based on available information.

Components:

xylenes:

Genotoxicity in vitro : Test Type: Salmonella typhimurium assay (Ames test)

Metabolic activation: +/- activation

Method: Bacterial Reverse Mutation Assay

Result: negative

Genotoxicity in vivo : Species: Rat

Application Route: intraperitoneal injection

Method: Genetic Toxicology: Rodent Dominant Lethal Test

Result: negative

Chlorinated Polyolefin: Not classified based on available information.

Product:

Germ cell mutagenicity -

Assessment

: Animal testing did not show any mutagenic effects.

Components:

chlorobenzene:

Genotoxicity in vitro : Test Type: Mutagenicity - Bacterial

Metabolic activation: +/- activation

Method: Bacterial Reverse Mutation Assay

Result: negative

Remarks: Published study

Test Type: Mutagenicity - Mammalian

Metabolic activation: +/- activation

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Method: In vitro Mammalian Chromosome Aberration Test

Result: negative

Remarks: Published study

Test Type: Mutagenicity - Mammalian

Metabolic activation: +/- activation

Method: Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells

Result: negative

Remarks: Published study

Genotoxicity in vivo : Species: Drosophila melanogaster

Method: Genetic Toxicology: Sex-Linked Recessive Lethal

Test in Drosophila melanogaster

Result: negative

Remarks: Published study

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: No data available

Acetone: Test Type: Mutagenicity (mammal cell test) : chromosome aberration.

Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: Negative

Test Type: Ames test

Test system: Salmonella typhimurium

Metabolic activation : with and without metabolic activation

Method: OECD Test Guideline 471

Result: Negative

Test Type: IN vitro mammalian cell gene mutation test

Test system: Mouse lymphoma test

Metabolic activation: without metabolic activation

Method: OECD Test Guideline 476

Result: Negative

Carcinogenicity

ADPRO Resin (25% IN XYLENE): Not classified based on available information.

Product:

Remarks : This information is not available.

IARC Group 2B: Possibly carcinogenic to humans

ethylbenzene 100-41-4

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

XYLENES (MIXED): IARC Group 2B: Possibly carcinogenic to humans

100-41-4 **Ethylbenzene

98-82-8 **Cumene

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen

Chlorinated Polyolefin: Not classified based on available information.

Product:

Carcinogenicity - Assessment: Animal testing did not show any carcinogenic effects.

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IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by AC

Acetone: IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

ADPRO Resin (25% IN XYLENE): Not classified based on available information.

Product: Effects on fertility : Remarks: No data available

Summary of evaluation of the CMR properties

XYLENES (MIXED): IARC Group 2B: Possibly carcinogenic to humans

100-41-4 **Ethylbenzene

98-82-8 **Cumene

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: No data available

STOT-single exposure

ADPRO Resin (25% IN XYLENE): May cause respiratory irritation.

Product:

Remarks : No data available

Components:

xylenes:

Target Organs : respiratory tract irritation

ethylbenzene:

Routes of exposure : Inhalation

Target Organs : Narcotic effects

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Assessment : May cause drowsiness or dizziness

XYLENES (MIXED): 1330-20-7:

Assessment: May cause respiratory irritation

Chlorinated Polyolefin: Not classified based on available information.

Product:

Assessment : No significant health effects observed in animals at concentrations of 20 mg/l/4h or less

Components:

chlorobenzene:

Routes of exposure : Inhalation

Target Organs : Narcotic effects

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects

May cause respiratory irritation, drowsiness or dizziness

Acetone: Inhalation - May cause drowsiness or dizziness. - Narcotic effects

STOT-repeated exposure

ADPRO Resin (25% IN XYLENE): May cause damage to organs (hearing organs) through prolonged or repeated exposure.

Product:

Remarks : No data available

Components:

xylenes:

Target Organs : Auditory system

Repeated dose toxicity

Components:

xylenes:

Species : Rat, male and female

NOAEL : 250 mg/kg

Application Route : Oral Study

Species : Rat, male

: 3515 mg/m³

Application Route : Inhalation

XYLENES (MIXED): 1330-20-7:

Target Organs: Central nervous system, Kidney, Liver

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Chlorinated Polyolefin: Not classified based on available information.

Product:

Assessment : No significant health effects observed in animals at concentrations of 0.2 mg/l/6h/d or less.

Components:

chlorobenzene:

Routes of exposure : Oral

Assessment : Based on available data, the classification criteria are not metComponents:

chlorobenzene:

Species : Rat, male and female

NOAEL : 120 mg/kg

Method : OECD Test No. 451: Carcinogenicity Studies

Remarks : Published study

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Species : Rat, male and female

: 235 mg/m³

Method : OECD Test No. 416: Two-Generation Reproduction Toxicity
Study

Remarks : Published study

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Aspiration hazard

ADPRO Resin (25% IN XYLENE): Not classified based on available information.

Product:

No aspiration toxicity classification

Components:

xylenes:

May be fatal if swallowed and enters airways

ethylbenzene:

May be fatal if swallowed and enters airways.

XYLENES (MIXED): 1330-20-7:

May be fatal if swallowed and enters airways.

Chlorinated Polyolefin: Not classified based on available information.

Components:

chlorobenzene:

May be harmful if swallowed and enters airways

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: No data available

Acetone: No data available

SECTION 12: Ecological information

Toxicity

ADPRO Resin (25% IN XYLENE): Components:

ethylbenzene:

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): 275

mg/l

Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): 42.3 - 48.5

mg/l

Exposure time: 96 h

LC50 (Poecilia reticulata (guppy)): 97.1 mg/l

Exposure time: 96 h

XYLENES (MIXED): No data available on product

Chlorinated Polyolefin: Components:

chlorobenzene:

Toxicity to fish : LC50 (goldfish): 73.03 mg/l

Exposure time: 96 h

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (daphnid): 4.3 mg/l

Exposure time: 48 h

Toxicity to fish (Chronic toxicity)

: NOEC (Danio rerio (zebra fish)): 4.8 mg/l

Exposure time: 28 d

Remarks: Published study

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

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: NOEC (Daphnia magna (Water flea)): 0.32 mg/l

Exposure time: 16 d

Remarks: Published study

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: This product has no known ecotoxicological effects.
98-56-6:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 3 mg/l

Exposure time: 96 h

Test Type: semi-static test

Toxicity to daphnia and other

aquatic invertebrates

: IC50 (Daphnia magna (Water flea)): 2 mg/l

Exposure time: 48 h

Test Type: semi-static test

Acute aquatic toxicity- Assessment

: Toxic to aquatic life.

Chronic aquatic toxicity- Assessment

: Toxic to aquatic life with long lasting effects.

Acetone: Toxicity to fish flow-through test LC50 - Pimephales promelas (fathead minnow) -
6,210 mg/l - 96 h

(OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

static test LC50 - Daphnia pulex (Water flea) - 8,800 mg/l - 48 h

Remarks: (ECHA)

Toxicity to algae

static test NOEC - M.aeruginosa - 530 mg/l - 8 d

(DIN 38412)

Remarks: (maximum permissible toxic concentration)

(IUCLID)

Toxicity to bacteria

static test EC50 - activated sludge - 61.15 mg/l - 30 min

(OECD Test Guideline 209)

Persistence and degradability

ADPRO Resin (25% IN XYLENE): Components:

xylenes:

Biodegradability : Result: Readily biodegradable.

ethylbenzene:

Biodegradability : Result: Readily biodegradable.

XYLENES (MIXED): No data available on product

Chlorinated Polyolefin: Components:

chlorobenzene:

Biochemical Oxygen Demand (BOD)

: BOD-5:

30 mg/g

Chemical Oxygen Demand

(COD)

: 410 mg/g

BOD/COD : BOD/COD: 7.32 %

ThOD : 2,060 mg/g

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Acetone: Biodegradability:
aerobic - EExposure time 28 d
Result: 91% - Readily biodegradable
(OECD Test Guideline 301B)

Biochemical Oxygen: 1,850 mg/g
Demand (BOD): Remarks: (IUCLID)

Chemical OxygenDemand (COD):
2,070 mg/g
Remarks: (IUCLID)

Theoretical Oxygen Demand:
2,200 mg/g
Remarks: (Lit.)

Bioaccumulative potential

ADPRO Resin (25% IN XYLENE): Components:
xylenes:
Bioaccumulation : Bioconcentration factor (BCF): 7.4 - 18.5
ethylbenzene:
Partition coefficient: noctanol/water
: log Pow: 3.15

XYLENES (MIXED): 98-82-8 :
Partition coefficient: log Pow 3.55 (23C)

Chlorinated Polyolefin: No data available

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: No data available on product

Acetone: Does not bioaccumulate

Mobility in soil

ADPRO Resin (25% IN XYLENE): mponents:
ethylbenzene:
Distribution among environmental compartments
: log Koc: 3.12

XYLENES (MIXED): No data available

Chlorinated Polyolefin: Components:
chlorobenzene:
Distribution among environmental compartments
: log Koc: 2.4

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: No data available on product.

Results of PBT and vPvB assessment

ADPRO Resin (25% IN XYLENE): PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

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Chlorinated Polyolefin 730-1: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

ADPRO Resin (25% IN XYLENE): No data available.

XYLENES (MIXED): Ozone-Depletion Potential:

Regulation: 40 CFR Protection of Environment: Part 82 Protection of Stratospheric Ozone- CAA section 602 Class I substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +B).

SECTION 13: Disposal considerations

Disposal of the product

Dispose of spilled material in accordance with state and local regulations. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer.

Disposal of contaminated packaging

Empty remaining contents

Dispose of as unused product

Do not re-use empty containers

Do not burn, or use a cutting torch on the empty drum

Waste treatment

Waste should be minimised at all times. All waste material should be disposed of with a licensed waste disposal contractor.

Sewage disposal

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

SECTION 14: Transport information

DOT (US)

UN Number: 1263

Class: 3

Packing Group: II

Proper Shipping Name: Paint Related Material

Reportable quantity (RQ):

IMDG

UN Number: UN1263

Class: 3

Packing Group: II

EMS Number: F-E, S-E

Proper Shipping Name: Paint Related Material

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IATA

UN Number: UN1263

Class: 3

Packing Group: II

Proper Shipping Name: Paint Related Material

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

CERCLA Reportable Quantity

Components: xylenes CAS-No. 1330-20-7 Component RQ (lbs) 100

Calculated product RQ (lbs) 164

Components ethylbenzene CAS-No. 100-41-4 Component RQ (lbs) 1000

Calculated product RQ (lbs) 7003

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

Flammable (gases, aerosols, liquids, or solids)

Acute toxicity (any route of exposure)

Specific target organ toxicity (single or repeated exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

xylenes 1330-20-7

ethylbenzene 100-41-4

California Prop. 65 Components

WARNING: This product can expose you to chemicals including ethylbenzene, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

Toxic Substances Control Act (TSCA) Inventory

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL)

All components of this product are on the Canadian DSL

Massachusetts Right To Know Components

1330-20-7 Mixed xylenes

100-41-4 **Ethylbenzene

71-43-2 **Benzene

New Jersey Right To Know Components

Common name: XYLENES

CAS number: 1330-20-7

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Pennsylvania Right To Know Components

1330-20-7 Mixed xylenes
100-41-4 **Ethylbenzene
98-82-8 **Cumene
71-43-2 **Benzene

Canadian Domestic Substances List (DSL)

Chemical name: Benzene, dimethyl-
CAS: 1330-20-7

SARA 311/312 Hazards

Flammable (gases, aerosols, liquids, or solids) Acute toxicity (any route of exposure)

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:
1330-20-7 Mixed xylenes
100-41-4 **Ethylbenzene

Toxic Substances Control Act (TSCA) Inventory

On TSCA Inventory

Clean Water Act

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307

100-41-4 **Ethylbenzene

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

1330-20-7 Mixed xylenes

100-41-4 **Ethylbenzene

108-88-3 **Toluene

71-43-2 **Benzene

91-20-3 **Naphthalene

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

1330-20-7 Mixed xylenes

100-41-4 **Ethylbenzene

71-43-2 **Benzene

91-20-3 **Naphthalene

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

100-41-4 **Ethylbenzene

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

1330-20-7 Mixed xylenes

100-41-4 **Ethylbenzene

California Prop. 65 Components

WARNING: This product can expose you to chemicals including **Ethylbenzene, **Cumene, **Benzene, **Naphthalene, which is/are known to the State of California to cause cancer, and **Toluene, **Benzene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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Australian Inventory of Chemical Substances (AICS)

On the inventory, or in compliance with the inventory

NZIoC

On the inventory, or in compliance with the inventory

Japanese Existing and New Chemical Substances (ENCS)

On the inventory, or in compliance with the inventory

Korean Existing Chemicals List (KECL)

On the inventory, or in compliance with the inventory

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

On the inventory, or in compliance with the inventory

IECSC

On the inventory, or in compliance with the inventory

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

This material does not contain any components with a section 302 EHS TPQ

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Canadian Domestic Substances List (DSL)

Chemical name: Benzene, 1-chloro-4-(trifluoromethyl)-
CAS: 98-56-6

New Jersey Right To Know Components

Chemical name: Benzene, 1-chloro-4-(trifluoromethyl)-
CAS: 98-56-6

SARA 311/312 Hazards

Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Serious eye damage or eye irritation Specific target organ toxicity (single or repeated exposure) Carcinogenicity

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Pennsylvania Right To Know Components

Chemical name: Benzene, 1-chloro-4-(trifluoromethyl)-
CAS: 98-56-6

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65 components

Chemical name: 4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE
CAS number: 98-56-6
11/17/2021 - Cancer

Massachusetts Right To Know Components

Chemical name: Acetone
CAS number: 67-64-1

New Jersey Right To Know Components

Common name: ACETONE
CAS number: 67-64-1

Pennsylvania Right To Know Components

Chemical name: 2-Propanone
CAS number: 67-64-1

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Canadian Domestic Substances List (DSL)

Chemical name: 2-Propanone
CAS: 67-64-1

SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15.2 Chemical Safety Assessment

The information herein is believed to be correct, but does not claim to be all inclusive and should be

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used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or

completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents

must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined.

All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained.

Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.

HMIS Rating

Health	2
Flammability	3
Physical hazard	0
Personal protection	

NFPA Rating

Health hazard	2
Fire hazard	3
Reactivity hazard	0
Special hazard	

SECTION 16: Other information