



HIGH TECK™

SAFETY DATA SHEETS

#77190-5 2.1 VOC EURO GLASS CLEAR - 1.325 GALLON

SECTION 1: Identification

1.1 Product identifier

Product name SDS_HIT_77190-5 2.1 VOC EURO GLASS CLEAR - 1.325 GALLON

Product number

Brand

1.2 Other means of identification

European 2.1 Voc Production Clear-Coat

1.3 Recommended use of the chemical and restrictions on use

Identified Product Uses: Automotive Refinish. For industrial use only.

1.4 Supplier's details

Name HIGH TECK PRODUCTS

Address PO BOX 24631

WEST PALM BEACH

33416 - USA

T 877-900-8325

Telephone info@nationaloak.com

email Emergency: 800 255-3924 (Chemtrec)

1.5 Emergency phone number(s)

734-335-6665

SECTION 2: Hazard identification

General hazard statement

Hazard statement(s): Highly flammable liquid and vapour. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage

to organs (kidneys) through prolonged or repeated exposure. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness

Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Suspected of damaging fertility or the unborn child. May cause damage to organs (Liver, kidneys and Lungs) through prolonged or repeated exposure. Causes skin irritation. Causes serious eye irritation.

2.1 Classification of the substance or mixture

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

- Flammable liquids, Cat. 2

Version: 001, Revision: 00, Supersedes: Initial , Date of issue: 2023-04-25, Printed on: 2023-04-25, p. 1 of 23



- Flammable liquids, Cat. 1
- Eye damage/irritation, Cat. 2A
- Sensitization, skin, Cat. 1B
- Toxic to reproduction, Cat. 1B
- Specific target organ toxicity (repeated exposure), Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Toxic to reproduction, Cat. 2
- Acute toxicity, inhalation, Cat. 4
- Skin corrosion/irritation, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H225
H315
H319
H335
H336
H360

Highly flammable liquid and vapor
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
May cause drowsiness or dizziness
May damage fertility or the unborn child [effect, route]

Precautionary statement(s)

P201
P202

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.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash ... thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
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 or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing 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.

P210
P233
P240
P241
P242
P243
P260
P261
P264
P271
P272
P280
P302+P352
P303+P361+P353

P304+P340

P305+P351+P338

P308+P313
P312
P314
P321
P333+P313
P337+P313
P363
P370+P378
P403+P233
P403+P235



P405

P501

P332+P313

P362+P364

Store locked up.

Dispose of contents/container to ...

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

2.3 Other hazards which do not result in classification

Precautionary statement(s)

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. For large container, ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lightning equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe mist, vapors and spray. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye and face protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

SECTION 3: Composition/information on ingredients**3.2 Mixtures****Hazardous components****1. Acrylic polymer resins**

Concentration

50 - 60 % (weight)

CAS no.

2594-32-2

2. DIBUTYLTIN DILAURATE

Concentration

0.015 - 0.03 % (weight)

CAS no.

77-58-7

3. Butyl acetate

Concentration

5 - 10 % (weight)

EC no.

204-658-1

CAS no.

123-86-4

Index no.

607-025-00-1

- Flammable liquids, Cat. 3

- Specific target organ toxicity (single exposure), Cat. 3

H226

Flammable liquid and vapor

H336

May cause drowsiness or dizziness

4. Xylene

Concentration

7 - 12 % (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

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
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]

5. Phenoxyethanol

Concentration	0.04 - 0.08 % (weight)
EC no.	204-589-7
CAS no.	122-99-6
Index no.	603-098-00-9

- Acute toxicity, oral, Cat. 4
- Serious eye damage/eye irritation, Cat. 2

H302	Harmful if swallowed
H319	Causes serious eye irritation

6. Ethylbenzene

Concentration	0.024 - 0.048 % (weight)
EC no.	202-849-4
CAS no.	100-41-4
Index no.	601-023-00-4

- Flammable liquids, Cat. 2
- Acute toxicity, inhalation, Cat. 4
- Specific target organ toxicity (repeated exposure), Cat. 2

H225	Highly flammable liquid and vapor
H332	Harmful if inhaled

7. Cyclotetrasiloxane

Concentration	0.00045 - 0.00096 % (weight)
EC no.	209-136-7
CAS no.	556-67-2
Index no.	014-018-00-1

- Toxic to reproduction, Cat. 2
- Hazardous to the aquatic environment, long-term (chronic), Cat. 4
- Flammable liquids, Cat. 3

H361f	
H413	May cause long lasting harmful effects to aquatic life

8. Acetone

Concentration	10 - 15 % (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

9. 4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE

Concentration	30 - 40 % (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

Trade secret statement (OSHA 1910.1200(i))

Any concentration shown as a < % weight is to protect confidentiality or is due to batch variation.
There are no additional ingredients within the current knowledge of the supplier.
Concentrations are classified and although require reporting in this section.

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.
If inhaled	Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching. If on skin, rinse well with water. If on clothes, removes clothes.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice. Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	If swallowed immediately make victim drink water (two glasses at most). Consult a physician., irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.



Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the

upper and lower eyelids. Get medical attention immediately.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an

unconscious person. Get medical attention immediately.

Symptoms: We can observe headaches, nausea, vomiting and dizziness. Decreased concentration and memory, sleep disturbances, irritability and muscular aches. Cough, breathing pain, eye redness. Redness, flaking and cracking of the skin. Euphoria and desorientation.

Effects (acute or delayed): Inhalation of high concentrations vapors can cause narcotic effect. May cause irritation of eyes and respiratory tract.

Personal protective equipment for first-aid responders

Obtain exposure level TWA to understand saturation of vapors potentially inhaled. Place LEL Meter in area to determine vapor saturation.

4.2 Most important symptoms/effects, acute and delayed

Effects: (acute or delayed): Inhalation of high concentrations vapors can cause narcotic effect. May cause irritation of eyes and respiratory tract. May cause skin irritation. Following repeated or prolonged contact, it has a degreasing effect on the skin. In high concentration, can cause depression of the central nervous system. May cause kidney damage.

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

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Xylene: Carbon oxides Combustible.

Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air at elevated temperatures.

Development of hazardous combustion gases or vapours possible in the event of fire.

N-Butyl acetate: Avoid contamination with oxidizing agents.

Acetone: Avoid contamination with oxidizing agents and strong oxidizing agents :

N- Butyl Acetate: Avoid strong oxidizing agents, strong acids and alkalis.

Xylene: Avoid strong oxidizing agents, strong acids and alkalis.

5.3 Special protective actions for fire-fighters



Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8.

As an immediate precautionary measure, isolate spill or leak area in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate enclosed areas. Inhalation - May cause drowsiness or dizziness. - Narcotic effects

6.2 Environmental precautions

Keep out of drains, sewers, ditches, and waterways.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Local exhaust and general ventilation must be adequate to meet exposure limit(s).

Personal Protection

Inhalation A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed

whenever workplace conditions warrant respirator use. No occupational exposure limits have been developed for this material.

Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.

Skin Wear chemical resistant gloves such as: Neoprene. Depending on the conditions of use, protective gloves, apron, boots, head

and face protection should be worn. The equipment must be cleaned thoroughly after each use.

Eye Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to

splashing or spraying liquid, airborne particles, or vapor

7.2 Conditions for safe storage, including any incompatibilities

Store below 120F to avoid building vapor pressure in container. Keep container tightly closed. Keep out of the reach of children.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

1. Acrylic polymer resins (CAS: 2594-32-2)

2. DIBUTYL TIN DILAURATE (CAS: 77-58-7)

3. Butyl acetate (CAS: 123-86-4 EC: 204-658-1)



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

PEL (Inhalation): 710 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 150 ppm, (ST) 200 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 150 ppm, (ST) 200 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 150 ppm, (ST) 200 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

STEL (Inhalation): 200 ppm, 950 mg/m³ (Cal/OSHA)
California permissible exposure limits for chemical contaminants
(Title 8, Article 107)

PEL (Inhalation): 150 ppm, 710 mg/m³
California permissible exposure limits for chemical contaminants
(Title 8, Article 107)

4. Xylene (CAS: 1330-20-7)

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

PEL (Inhalation): 435 mg/m³ (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

REL (Inhalation): 100 ppm, (ST) 150 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

5. Ethylbenzene (CAS: 100-41-4)

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

PEL (Inhalation): 435 mg/m³ (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

REL (Inhalation): 100 ppm, (ST) 125 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

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

6. Cyclotetrasiloxane (CAS: 556-67-2 EC: 209-136-7)

TWA (Inhalation): 10 ppm (USA. Workplace Environment)

7. 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**

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Half mask or full face respirators with appropriate cartridge to eliminate inhalation of vapors and/or dust.

Local exhaust and general ventilation must be adequate to meet exposure limit(s).

Personal Protection

Inhalation A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed

whenever workplace conditions warrant respirator use. No occupational exposure limits have been developed for this material.

Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.

Skin Wear chemical resistant gloves such as: Neoprene. Depending on the conditions of use, protective gloves, apron, boots, head

and face protection should be worn. The equipment must be cleaned thoroughly after each use.

Eye Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to

splashing or spraying liquid, airborne particles, or vapor

8.3 Individual protection measures, such as personal protective equipment (PPE)**Eye/face protection**

Safety glasses with side-shields and/or full face respirators.

Skin protection

Protective gloves, such as nitrile gloves.

Body protection

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Conditions Aggravated by Exposure

Any pre-existing disorders or diseases of the eye. This material may affect mucous tissue and/or aggravate mucous membrane dysfunction.

Respiratory protection

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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Thermal hazards

No data available.

Environmental exposure controls

Do not let product enter drains. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Appearance/form (physical state, color, etc.)

Clear/Amber Liquid

Odor

Organic Solvent

Odor threshold

250 ppm (8 hrs TWA)

pH

No data available

Melting point/freezing point

-95F



Initial boiling point and boiling range	230F
Flash point	90F
Evaporation rate	>1 (ether=1)
Flammability (solid, gas)	High
Upper/lower flammability limits	Upper Limit: 9.7% at 25 °C Lower Limit: 1.87% at 25 °C
Upper/lower explosive limits	No data available
Vapor pressure	>10 mm Hg at 20 °C
Vapor density	>1 (Air =1)
Relative density	1.01
Solubility(ies)	Insoluble in water
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

Other information
Wt. % Solids: 38.97
Vol. % Solids: 37.62
Wt. % Volatiles: 28.76
VOC Content (%): 24.50 (2.08 lb/gal)

SECTION 10: Stability and reactivity**10.1 Reactivity**

Stable under recommended conditions of storage and handling

10.2 Chemical stability

This product is chemically stable under normal conditions of use as defined per Tech Data Product document.

10.3 Possibility of hazardous reactions**10.4 Conditions to avoid**

Contact with incompatible materials. Sources of ignition. Exposure to heat.

10.5 Incompatible materials

Plastics, Acids, Bases, Nitrates, Strong oxidizing agents

Methanol: Oxidizing agents, Alkali metals, Reducing agents, Acids

N-Butyl acetate: Strong oxidizing agents, Strong reducing agents, Strong bases

Octamethylcyclotetrasiloxane: Strong oxidizing agents, acids, Bases

Toluene: Rubber, various plastics

Phosphoric acid : Strong bases, Powdered metals



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

10.6 Hazardous decomposition products

No data available In the event of fire: see section 5

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

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Components:

Symptoms (including delayed and immediate effects):

Inhalation: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Toluene: LD50 Oral-rat-male-5,580 mg/kg
LC50 inhalation-Rat- male and female-4h-25.7 mg/l
LD50 Dermal-Rabbit- > 5,000 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

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)

ACETONE
LD50 Skin - Guinea pig - 7,429 mg/kg

ACETONE
LC50 Inhalation - Rat - 50,100 mg/m3 - 8 h
Remarks: Drowsiness Dizziness Unconsciousness



ACETONE

LD50 Oral - Rat - 5,800 mg/kg

Remarks: Behavioral :Altered sleep time (including change in righting reflex). Behavioral:Tremor. Behavioral:Headache.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

ACETONE

LC50 - Oncorhynchus mykiss (rainbow trout - 5,540 mg/l - 96 h

ACETONE

LC50 - Daphnia magna (Water flea) - 8,800 mg/l - 48 hr

Toluene

LD50 Oral - Rat - > 5,580 mg/kg

Toluene

LD50 Skin - Rabbit - 12,196 mg/kg

XYLENES (MIXED)

LC50 Inhalation - Rat - 6700 ppm - 4H

Result: Indicate results

(e.g., "LC50=28 mg/l", "LD50=2000 mg/kg")

Remarks: Other comments on conditions or results

Citation: Indicate study title, authors, journal, date, etc.

XYLENES (MIXED)

LD50 Skin - Rabbit - 1,700 mg/kg - Select Igth

(e.g., "96 h", "28 days")

Result: Indicate results

(e.g., "LC50=28 mg/l", "LD50=2000 mg/kg")

Remarks: Other comments on conditions or results

Citation: Indicate study title, authors, journal, date, etc.

// ----- From the Suggestion report (10/07/2022, 3:31 PM) ----- //

ATE (inhalation, gaseous) of mixture: 56250 ppmv

// ----- From the Suggestion report (10/18/2022, 4:44 PM) ----- //

ATE (inhalation, gaseous) of mixture: 20454.55 ppmv

// ----- From the Suggestion report (11/23/2022, 9:59 AM) ----- //

ATE (inhalation, gaseous) of mixture: 11842.11 ppmv

// ----- From the Suggestion report (11/23/2022, 9:59 AM) ----- //

ATE (oral) of mixture: 2777.78 mg/kg

Skin corrosion/irritation

May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

Acetone: Skin-Rabbi

Result: Mild Skin irritation- 24h

(Draize Test)

Remarks: (RTECS)

XYLENES (MIXED): Species: Rabbit

Exposure time: 24h

Result: Irrating to skin



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N- Butyl Acetate: Irratating to skin

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: Casues skin irritation.

Serious eye damage/irritation

May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Acetone: Eyes-Rabbit

Result: Eye irritation - 24H

(Draize Test)

Remarks: (RTECS)

XYLENES (MIXED): Species: Rabbit

Result: Irritating to eyes

N- Butyl Acetate: Eye irritant

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: Casues skin irritation. May casue irreversible eye damage

Respiratory or skin sensitization

No data available.

Acetone: Maximization Test - Guinea Pig

Result: Not a skin sensitizer

Remarks: (ECHA)

Chronic exposure my cause dermatitis.

Acetone: Avoid high vapor concentrations

N- Butyl Acetate: Avoid high vapor concentrations

Xylene: Avoid high vapor concentrations

Germ cell mutagenicity

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

Test system: Chinese hamster ovary cells

Meetabolic 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



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

Carcinogenicity

This product is or contains a component that has been reported to be carcinogenicity based on its IARC, ACGIH,NTP, or EPA classification

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

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 ACGIH.

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.

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

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

100-41-4: Ethylbenzene

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH,NTP, or EPA classification.

Reproductive toxicity

No data available

Summary of evaluation of the CMR properties

No data available.

STOT-single exposure

Xylene 13330-20-7

Target Organs: Central Nervous system

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

Acetone : 67-64-1

LD50 Oral - Rat - female - 5.800 mg/kg

Remarks:

(ECHA)

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

Unconsciousness Drowsiness Dizziness (External MSDS)

LD50 Dermal - Rabbit - 20.000 mg/kg Remarks:

(IUCLID)



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N-Butyl acetate: 123-86-4:

Target Organs: Central Nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with naroctic effects

4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE: May cause respiratory irritation, drowsiness or dizziness

STOT-repeated exposure

Acetone, Xylene, N- Butyl Acetate, PCBTF: May cause damage to organs through prolonged or repeated exposure to Central Nervous System, Liver and Kidneys.

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

Aspiration hazard

Acetone: May cause pulmonary edema and pneumonitis

PCBTF: No data available

Xylene: Vapor causes respiratory tract and mucous membrane irritation.

N- Butyl Acetate: No data available

SECTION 12: Ecological information

Toxicity

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 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 -30min (OECD Test Guideline

N-Butyl acetate: 123-86-4:

Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 18 mg/l

Exposure time: 96 h

Test Type: flow-through test

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 44 mg/l Exposure time: 48 h Test Type:static test aquatic invertebrates

Harmful to aquatic life

This product has no known ecotoxicological effects.



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Acetone:
Acute toxicity
LD50 Oral - Rat - female - 5.800 mg/kg
Remarks:
(ECHA)
LC50 Inhalation - Rat - 4 h - 76 mg/l Remarks:
Unconsciousness Drowsiness Dizziness (External MSDS)
LD50 Dermal - Rabbit - 20.000 mg/kg Remarks:
(IUCLID)
Skin corrosion/irritation
Skin - Rabbit
Result: Mild skin irritation - 24 h (Draize Test)
Remarks:
(RTECS)
Serious eye damage/eye irritation
Eyes - Rabbit
Result: Eye irritation - 24 h (Draize Test)
Remarks:
(RTECS)
Respiratory or skin sensitization
Remarks:
(ECHA)
Chronic exposure may cause dermatitis.

XYLENES (MIXED): No data available on product

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 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 -30min (OECD Test Guideline 209)

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

Persistence and degradability

Components: No data available

Acetone: Biodegradability: aerobic - EExposure time 28 d
Result: 91% - Readily biodegradable
9OECD Test Guideline 301B)

Biochemical Oxygen: 1,850 mg/g



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Demand (BOD): Remarks: (IUCLID)

Chemical Oxygen: 2,070 mg/g

Demand (COD) Remarks: (IUCLID)

Theoretical Oxygen: 2,200 mg/g

Demand Remarks: (Lit.)

t-Butyl Acetate

Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

N- Butyl Acetate:

Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

PM Acetate:

Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

XYLENES (MIXED): No data available on product

Toluene: Biodegradability: aerobic - Exposure time 20d

Result: 86%- Readily biodegradable

Remarks: (IUCLID)

Bioaccumulative potential

Components: No data available

XYLENES (MIXED): 98-82-8 :

Partition coefficient: log Pow 3.55 (23C)

Acetone: Does not bioaccumulate

t-Butyl Acetate: No data available on product

N-Butyl Acetate: No data available on product

PM Acetate: No data available on product

Acrylic Polyol: No data available on product

Toluene: Bioaccumulation: Leuciscus idus)Golden orfe)- 3d - 0.05 mg/l(Toluene)

Bioconcentration factor (BCF):90

Mobility in soil

No data available.

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

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

XYLENES (MIXED): Ozone-Depletion Potential:

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

Xylene: No data available

PM Acetate: No data available

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**

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging

Dispose of as unused product.

Waste treatment

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

SECTION 14: Transport information**DOT (US)**

UN Number: 1263

Class: 3

Packing Group: II

Proper Shipping Name: Paint Related Material

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

IMDG

UN Number: UN1263

Class: 3

Packing Group: II

EMS Number: F-E, S-E

Proper Shipping Name: Paint Related Material

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**



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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.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components

No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components

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

Massachusetts Right To Know Components

Chemical name: Benzene, m-dimethyl-
CAS number: 108-38-3

New Jersey Right To Know Components

Common name: m-XYLENE see Fact Sheet # 2014 on XYLENE
CAS number: 108-38-3

Pennsylvania Right To Know Components

Chemical name: Benzene, 1,3-dimethyl-
CAS number: 108-38-3

Canadian Domestic Substances List (DSL)

Chemical name: Benzene, 1,3-dimethyl-
CAS: 108-38-3

Canadian Domestic Substances List (DSL)

Chemical name: Stannane, dibutylbis[(1-oxododecyl)oxy]-
CAS: 77-58-7

Massachusetts Right To Know Components

n-Butyl acetate
CAS number: 123-86-4

New Jersey Right To Know Components

n-Butyl acetate
CAS number: 123-86-4

Pennsylvania Right To Know Components

n-Butyl acetate



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CAS number: 123-86-4

SARA 302 Components

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

SARA 311/312 Hazards

Fire Hazard

Canadian Domestic Substances List (DSL)

Chemical name: Acetic acid, butyl ester

CAS: 123-86-4

Massachusetts Right To Know Components

Chemical name: Xylene (mixed isomers)

CAS number: 1330-20-7

New Jersey Right To Know Components

Common name: XYLENES

CAS number: 1330-20-7

Pennsylvania Right To Know Components

Chemical name: Benzene, dimethyl-

CAS number: 1330-20-7

Canadian Domestic Substances List (DSL)

Chemical name: Benzene, dimethyl-

CAS: 1330-20-7

SARA 311/312 Hazards

Enter applica

SARA 313 Components

Enter applica

New Jersey Right To Know Components

2-Phenoxyethanol

CAS-No. 122-99-6

Pennsylvania Right To Know Components

2-Phenoxyethanol

CAS-No. 122-99-6

SARA 313 Components

2-Phenoxyethanol

CAS-No. 122-99-6

Canadian Domestic Substances List (DSL)

Chemical name: Ethanol, 2-phenoxy-

CAS: 122-99-6

Massachusetts Right To Know Components

Chemical name: Ethylbenzene

CAS number: 100-41-4



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New Jersey Right To Know Components

Common name: ETHYL BENZENE

CAS number: 100-41-4

Pennsylvania Right To Know Components

Chemical name: Benzene, ethyl-

CAS number: 100-41-4

Canadian Domestic Substances List (DSL)

Chemical name: Benzene, ethyl-

CAS: 100-41-4

Massachusetts Right To Know Components

Chemical name: Ethylbenzene

CAS number: 100-41-4

New Jersey Right To Know Components

Common name: ETHYL BENZENE

CAS number: 100-41-4

Pennsylvania Right To Know Components

Chemical name: Benzene, ethyl-

CAS number: 100-41-4

California Prop. 65 Components

WARNING: this product contains a chemical known in the State of California to cause cancer.

Ingredients

ethylbenzene

California Prop. 65 components

Chemical name: ETHYLBENZENE

CAS number: 100-41-4

06/11/2004 - Cancer

Canadian Domestic Substances List (DSL)

Chemical name: Cyclotetrasiloxane, octamethyl-

CAS: 556-67-2

Canadian Domestic Substances List (DSL)

Chemical name: Cyclopentasiloxane, decamethyl-

CAS: 541-02-6

Canadian Domestic Substances List (DSL)

Chemical name: Cyclohexasiloxane, dodecamethyl-

CAS: 540-97-6

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

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

Pennsylvania Right To Know Components

Chemical name: Benzene, 1-chloro-4-(trifluoromethyl)-

CAS: 98-56-6

California Prop. 65 components

Chemical name: 4-CHLORO-ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE

CAS number: 98-56-6

11/17/2021 - Cancer

15.2 Chemical Safety Assessment

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

HMIS Rating

Health	2
Flammability	3
Physical hazard	0
Personal protection	G

NFPA Rating

Health hazard	2
Fire hazard	3
Reactivity hazard	0
Special hazard	

SECTION 16: Other information



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Date of printing: 4/25/2023

Date of issue: 04/25/2023

Date of revision: na

Version 001

16.1 Further information/disclaimer

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

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16.2 Preparation information

Regulatory Affairs

Innovative Solutions Technologies Inc.

Email: leep@innsoltech.com

Version: 001, Revision: 00, Supersedes: Initial , Date of issue: 2023-04-25, Printed on: 2023-04-25, p. 23 of 23