SAFETY DATA SHEET

SECTION 1: Identification

1.1 GHS Product identifier

Product name	High Teck NR/HS Acrylic Lacquer Primer - Gray
Product number	HIT.77400C-1/HIT.77400C-4
Brand	HighTeck Products

1.2 Other means of identification

Gray Laquer Primer, 77400C-1, 77400C-4

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 Florida FL 33416 United States
Telephone		T: 877-900-8325
email		info@highteckproducts.com

1.5 Emergency phone number

Chemtrec: 800-424-9300 CCN644298

SECTION 2: Hazard identification

General hazard statement

Hazard statement(s): Highly flammable liquid and vapor. 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 vapor. 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. 1
- Sensitization, skin, Cat. 1B
- Toxic to reproduction, Cat. 1B
- Specific target organ toxicity (repeated exposure), Cat. 2

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

2.2 GHS label elements, including precautionary statements

Pictogram

Signal word **Danger**

Hazard statement(s)

H225	Highly flammable liquid and vapor
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/soap
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see advice on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use revcommended media to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to all local, state and federal regulations

P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	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

Component	Concentration
Component 1 (trade secret)*	**12 - 18 % (weight)**
CLASSIFICATIONS: Flammable liquids, Cat. 2; Toxic to reproduction, Cat. 2; Aspiration hazard, Cat. 1; Specific target organ toxicity (repeated exposure), Cat. 2; Skin corrosion/irritation, Cat. 2; Specific target organ toxicity (single exposure), Cat. 3. HAZARDS: H225 - Highly flammable liquid and vapor; H304 - May be fatal if swallowed and enters airways; H315 - Causes skin irritation; H336 - May cause drowsiness or dizziness; H361 - Suspected of damaging fertility or the unborn child [effect, route]; H361d - ; H373 - May cause damage to organs [organs] through prolonged or repeated exposure [route]; H401 - Toxic to aquatic life; H412 - Harmful to aquatic life with long lasting effects.	
Component 2 (trade secret)*	**1 - 2.5 % (weight)**
CLASSIFICATIONS: 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. HAZARDS: 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].	
Component 3 (trade secret)*	**10 - 15 % (weight)**
CLASSIFICATIONS: Flammable liquids, Cat. 2; Specific target organ toxicity (single exposure), Cat. 3; Serious eye damage/eye irritation, Cat. 2. HAZARDS: H225 - Highly flammable liquid and vapor; H319 - Causes serious eye irritation; H336 - May cause drowsiness or dizziness.	
Component 4 (trade secret)*	**8 - 12 % (weight)**
CLASSIFICATIONS: Flammable liquids, Cat. 2; Acute toxicity, inhalation, Cat. 4; Specific target organ toxicity (single exposure), Cat. 3; Serious eye damage/eye irritation, Cat. 2. HAZARDS: H225 - Highly flammable liquid and vapor; H319 - Causes serious eye irritation; H332 - Harmful if inhaled; H335 - May cause respiratory irritation.	
Component 5 (trade secret)*	**0.5 - 2 % (weight)**
CLASSIFICATIONS: Flammable liquids, Cat. 3. HAZARDS: H226 - Flammable liquid and vapor.	
Component 6 (trade secret)*	**7 - 10 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Ethylbenzene (CAS no.: 100-41-4; EC no.: 202-849-4; Index no.: 601-023-00-4)	**0.5 - 2 % (weight)**
CLASSIFICATIONS: Flammable liquids, Cat. 2; Acute toxicity, inhalation, Cat. 4; Specific target organ toxicity (repeated exposure), Cat. 2. HAZARDS: H225 - Highly flammable liquid and vapor; H332 - Harmful if inhaled.	
Castor oil, sulfated, sodium salt (CAS no.: 68187-76-8)	**0.5 - 2 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Talc (CAS no.: 14807-96-6; EC no.: 238-877-9)	**12 - 16 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Polyethylene (CAS no.: 9002-88-4)	**0.4 - 1 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Rosin, maleated, polymer with glycerol (CAS no.: 68038-41-5)	**1 - 2 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Hydroxyl Acralate Resin (CAS no.: 9006-26-2)	**1 - 3 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Titanium dioxide (airborne, unbound particles of respirable size)	**5 - 8 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Phosphoric acid (CAS no.: 7664-38-2; EC no.: 231-633-2; Index no.: 015-011-00-6)	**0.1 - 0.5 % (weight)**
CLASSIFICATIONS: Skin corrosion/irritation, Cat. 1B. HAZARDS: H314 - Causes severe skin burns and eye damage.	
DI-N-BUTYL PHTHALATE (CAS no.: 84-74-2; EC no.: 201-557-4; Index no.: 607-318-00-4)	**1 - 2.5 % (weight)**
CLASSIFICATIONS: Toxic to reproduction, Cat. 1B; Hazardous to the aquatic environment, short-term (acute), Cat. 1. HAZARDS: H360Df - May damage the unborn child. Suspected of damaging fertility.; H400 - Very toxic to aquatic life.	

Black Powder (CAS no.: 1333-86-4)	**0.75 - 1.5 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Methyl alcohol (CAS no.: 67-56-1; EC no.: 200-659-6; Index no.: 603-001-00-X)	**1 - 2 % (weight)**
CLASSIFICATIONS: Flammable liquids, Cat. 2; Acute toxicity, inhalation, Cat. 3; Acute toxicity, dermal, Cat. 3; Acute toxicity, oral, Cat. 3; Specific target organ toxicity (single exposure), Cat. 1; Eye damage/irritation, Cat. 2A; Specific target organ toxicity (single exposure), Cat. 3. HAZARDS: H225 - Highly flammable liquid and vapor; H301 - Toxic if swallowed; H311 - Toxic in contact with skin; H319 - Causes serious eye irritation; H331 - Toxic if inhaled; H336 - May cause drowsiness or dizziness; H370 - Causes damage to organs [organs, route].	
Propanol, 1(or 2)-methoxy-, acetate (CAS no.: 84540-57-8)	**0.5 - 1.5 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Ethylene/ma copolymer (CAS no.: 9006-26-2)	**1 - 2 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

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

In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

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

Wash with plenty of soap and water for at least 15 minutes. Call a poison center or doctor if you feel unwell.

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

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. Immediately call a poison center or doctor.

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

If swallowed

If swallowed, 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.
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 disorientation.
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 time to understand saturation of vapors potentially inhaled.

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 de-greasing 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

Toluene: Carbon oxides
Dibutyl Phthalate
Phosphoric Acid

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.

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.

7.2 Conditions for safe storage, including any incompatibilities

Store below 120F to aviod 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. Component 1 (trade secret)*
PEL-TWA (Inhalation): 200 ppm (OSHA) Central nervous system depression, causing fatigue, headache, confusion, paresthesia, dizziness, and muscular incoordination.Irritation of the eyes, mucous membranes, and upper respiratory tract

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

REL (Inhalation): 100 ppm (375 mg/m3) (NIOSH) Fatigue, weakness, confusion, headache, dizziness, drowsiness. Unconsciousness. Irritation of the eyes, respiratory tract, and skin

PEL-C (Inhalation): 300 ppm (OSHA) OSHA Annotated Table Z-1, www.osha.gov

PEL-Peak (Inhalation): 500 ppm (10 minutes) (OSHA) OSHA Annotated Table Z-1, www.osha.gov

2. Component 1 (trade secret)*
TLV® (Inhalation): 20 ppm (75 mg/m3) (ACGIH) Female reproductive system damage and pregnancy loss. Central nervous system impairment and visual impairment

STEL (Inhalation): 150 ppm (560 mg/m3) (NIOSH) Fatigue, weakness, confusion, headache, dizziness, drowsiness. Unconsciousness. Irritation of the eyes, respiratory tract, and skin

3. Component 2 (trade secret)*
PEL (Inhalation): 435 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

4. Component 2 (trade secret)*
PEL (Inhalation): 100 ppm (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. Component 3 (trade secret)*
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

6. Component 3 (trade secret)*
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

7. Component 4 (trade secret)*
PEL (Inhalation): 100 ppm (OSHA) OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 410 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

8. Component 4 (trade secret)*
REL (Inhalation): 50 ppm, (ST) 75 ppm (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

9. 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

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

10. Talc (CAS: 14807-96-6)
PEL (Inhalation): See Annotated Z-3 ppm (OSHA) OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): See Annotated Z-3 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

11. Charcoal powder (CAS: 1333-86-4)
PEL (Inhalation): 3.5 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 3.5 mg/m3Ęwithout PAHs); when PAHs are present, NIOSH considers carbon black to be a potential occupational carcinogen., See Appendix A,ƀee Appendix C (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

12. Phosphoric acid (CAS: 7664-38-2 EC: 231-633-2)
PEL (Inhalation): 1 mg/m3; USA (OSHA) OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1 mg/m3, (ST) 3 mg/m3; USA (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 1 mg/m3, (ST) 3 mg/m3; USA (ACGIH) OSHA Annotated Table Z-1, www.osha.gov

13. DI-N-BUTYL PHTHALATE (CAS: 84-74-2)
PEL (Inhalation): 5 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 mg/m3 (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

14. Charcoal powder (CAS: 1333-86-4)
PEL (Inhalation): 3.5 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 3.5 mg/m3Ęwithout PAHs); when PAHs are present, NIOSH considers carbon black to be a potential occupational carcinogen., See Appendix A,ƀee Appendix C (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

15. Methyl alcohol (CAS: 67-56-1 EC: 200-659-6)
PEL-TWA (Inhalation): 200 ppm, 260 mg/m3 (OSHA) Headache. Nausea. Dizziness. Eye damage Substances for which there is a Biological Exposure Index or Indices Danger of cutaneous absorption

PEL-ST (Inhalation): 250 ppm (NIOSH)

REL-TWA (Inhalation): 200 ppm (NIOSH)

TLV® (Inhalation): 200 ppm (ACGIH)

TLV® (Inhalation): 250 ppm (ST) (ACGIH)

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 cartrige to eliminate inhalation of vapors and/or dust.

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

Pictograms

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.

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 and safety characteristics

Physical state	Liquid
Appearance	Gray Liquid
Color	Gray
Odor	Organic Solvent
Odor threshold	No data available.
pH	No data available
Melting point/freezing point	-76F
Boiling point or initial boiling point and boiling range	132.8F
Flash point	No data available.
Evaporation rate	>1 (ether=1)
Flammability	High
Lower and upper explosion limit/flammability limit	Upper Limit: 12,8% at 25 °C Lower Limit:2,5% at 25 °C
Vapor pressure	>10 mm Hg at 20 °C
Relative vapor density	No data available.
Density and/or relative density	1.0506
Solubility	Insoluble in water
Partition coefficient n-octanol/water (log value)	No data available.
Auto-ignition temperature	>869°F
Decomposition temperature	No data available.
Kinematic viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Particle characteristics
No data available.

Supplemental information regarding physical hazard classes
No data available.

Further safety characteristics (supplemental)
Wt. % Solids: 40.17
Vol. % Solids: 38.23

VOC Actual (g/mL)	497.961
VOC Regulatory (g/mL)	590.801
VOC RTS NR (g/mL)	540.01
VOC RTS LV (g/mL)	295.400
VOC Actual (lb/gl)	4.156
VOC Regulatory (lb/gl)	4.930
VOC RTS NR (lb/gl)	4.510

VOC RTS LV (lb/gl) 2.465

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

10.3 Possibility of hazardous reactions
No dangerous or polymerization reactions will not occur under normal conditions of use. Danger of explosion when heated.

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

10.6 Hazardous decomposition products
Toluene: See section 5

XYLENES (MIXED): Carbon oxides, Hydrocarbons, Aldehydes

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

Phosphoric acid : Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus Other decomposition products - No data available, Carbon oxides, Formaldehyde

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.

Component 1:
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

Component 2:
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

---
Component 3:
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)
LD50 Skin - Guinea pig - 7,429 mg/kg
LC50 Inhalation - Rat - 50,100 mg/m3 - 8 h Remarks: Drowsiness Dizziness Unconsciousness
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.
LC50 - Oncorhynchus mykiss (rainbow trout - 5,540 mg/l - 96 h
LC50 - Daphnia magna (Water flea) - 8,800 mg/l - 48 hr

Component 1
LD50 Oral - Rat - > 5,580 mg/kg
LD50 Skin - Rabbit - 12,196 mg/kg
LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h
---
Component 2
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.
LD50 Skin - Rabbit - 1,700 mg/kg

ATE (inhalation, gaseous) of mixture: 56250 ppmv

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

Component 1: Rabbit-irritating-4h

Component 2: Species: Rabbit, Exposure time: 24 h; Result: Irritating to skin
---
Component 3: Skin-Rabbit Result: Mild Skin irritation- 24 h (Draize Test) Remarks: (RTECS)

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

Component 1: Rabbit-slight irritation

Component 2: Species: Rabbit Result: Irritating to eyes

Component 3: Eyes-Rabbit Result: Eye irritation - 24 H (Draize Test) Remarks: (RTECS)

Respiratory or skin sensitization
Component 1: Maximization Test-Guinea pig-negative

Component 2: May be fatal if swallowed and enters airways.

Component 3: Maximization Test - Guinea Pig Result: Not a skin sensitizers Remarks: (ECHA) Chronic exposure my cause dermatitis.

Germ cell mutagenicity

Component 1:
Test Type: In vitro mammalian cell gene mutation test; Test system: Mouse Lymphoma test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative
Test Type: Ames test; Test system: S. typhimurium Metabolic activation: with and without metabolic activation, Method: Mutagenicity, Result: negative
---
Component 3:
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
This product is or contains a component that has been reported to be carcinogenicity based on its IARC, ACGIH,NTP, or EPA classification
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.

Component 2: IARC Group 2B: Possibly carcinogenic to humans
100-41-4: Ethylbenzene
98-82-8 Cumene

Reproductive toxicity

Component 1: Suspected of damaging fertility or the unborn child

Summary of evaluation of the CMR properties
No data available.

STOT-single exposure

Component 1: May cause damage to organs.

STOT-repeated exposure
.-----
Component 1: May cause damage to organs through prolonged or repeated exposure

Aspiration hazard

Component 1: May cause pulmonary edema and pneumonitis

SECTION 12: Ecological information

Toxicity
Components:

Component 1:
Toxicity to fish : Flow-through test LC50_ Coho Salmon- 5.5mg/l - 96h Remarks: (ECHA)
Toxicity to daphnia and other aquatic invertebrates: EC50- Ceriodaphnia dubia (water flea) - 3.78 mg/l -48 h (US-EPA)

Toxicity to bacteria: Static test EC50-Bacteria- 84 mg/l-24h

Component 3:
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)

Methanol: No data available on product

Persistence and degradability
Components:

Component 1:
Biodegradability: aerobic - Exposure time 20 d Result: 86%- Readily biodegradable Remarks: (IUCLID)

Component 3:
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 Oxygen: 2,070 mg/g Demand (COD) Remarks: (IUCLID)
Theoretical Oxygen: 2,200 mg/g Demand Remarks: (Lit.)

Methanol: No data available on product

Bioaccumulative potential
Components:

Component 1:
Bioaccumulation: Leuciscus idus)Golden orfe)- 3d - 0.05 mg/l(Component 1)
Bioconcentration factor (BCF):90

Component 2: 98-82-8 : Partition coefficient: log Pow 3.55 (23C)

Component 3: Does not bioaccumulate

Methanol: No data available on product

Mobility in soil
No data available.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

Component 2: Ozone-Depletion Potential:
Regulation: 40 CFR Protection of Environment: Part 82 Protection of Stratospheric Ozone- CAA section 602 Class I substances
---
Methanol: 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 methods

Product disposal
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.

Packaging disposal
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 Materal

SECTION 15: Regulatory information

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

California Prop. 65 Components
Chemical name: Toluene CAS number: 108-88-3
01/01/1991 - Developmental toxicity
08/07/2009 - Female reproductive toxicity (de-listed 03/07/2014)
01/01/1991 - developmental
08/07/2009 - female

Chemical name: METHYL ISOBUTYL KETONE CAS number: 108-10-1
11/04/2011 - Cancer
03/28/2014 - Developmental toxicity

Chemical name: ETHYLBENZENE CAS number: 100-41-4
06/11/2004 - Cancer

Chemical name: Carbon black (airborne, unbound particles of respirable size) CAS number: 1333-86-4
02/21/2003 - Cancer

Chemical name: DI-N-BUTYL PHTHALATE CAS number: 84-74-2
12/02/2005 - Developmental toxicity
12/02/2005 - Female reproductive toxicity
12/02/2005 - Male reproductive toxicity

Chemical name: Titanium dioxide (airborne, unbound particles of respirable size) CAS number:
09/02/2011 - Cancer

State of California to cause birth defects or other reproductive harm.
Methanol CAS-No. 67-56-1

Chemical name: Methanol CAS number: 67-56-1
03/16/2012 - Developmental toxicity

Massachusetts Right To Know Components
Chemical name: Toluene CAS number: 108-88-3
Chemical name: Toluene CAS number: 108-88-3
Chemical name: Xylene (mixed isomers) CAS number: 1330-20-7
Chemical name: Benzene, m-dimethyl- CAS number: 108-38-3
Chemical name: Acetone CAS number: 67-64-1
Chemical name: Methyl isobutyl ketone CAS number: 108-10-1
Chemical name: Ethylbenzene CAS number: 100-41-4
Phosphoric acid CAS number: 7664-38-2
Chemical name: Dibutyl phthalate CAS number: 84-74-2
Chemical name: Methanol CAS number: 67-56-1

New Jersey Right To Know Components
Chemical name: Toluene CAS number: 108-88-3
Common name: XYLENES CAS number: 1330-20-7
Common name: m-XYLENE see Fact Sheet # 2014 on XYLENE CAS number: 108-38-3
Common name: ACETONE CAS number: 67-64-1
Common name: METHYL ISOBUTYL KETONE CAS number: 108-10-1
Common name: NITROCELLULOSE CAS number: 9004-70-0
Common name: ETHYL BENZENE CAS number: 100-41-4
Common name: TALC (NOT CONTAINING ASBESTOS FIBERS) CAS number: 14807-96-6
Common name: CARBON BLACK CAS number: 1333-86-4
Phosphoric acid CAS number: 7664-38-2
Common name: DI-n-BUTYL PHTHALATE CAS number: 84-74-2
Chemical name: Methanol CAS number: 67-56-1

Pennsylvania Right To Know Components
Chemical name: Toluene CAS number: 108-88-3
Chemical name: Benzene, dimethyl- CAS number: 1330-20-7
Chemical name: Benzene, 1,3-dimethyl- CAS number: 108-38-3
Chemical name: 2-Propanone CAS number: 67-64-1
Chemical name: 2-Pentanone, 4-methyl- CAS number: 108-10-1
Chemical name: Cellulose, nitrate CAS number: 9004-70-0
Chemical name: Benzene, ethyl- CAS number: 100-41-4
Chemical name: Talc CAS number: 14807-96-6
Chemical name: Carbon black CAS number: 1333-86-4
Phosphoric acid CAS number: 7664-38-2
Chemical name: 1,2-Benzenedicarboxylic acid, dibutyl ester CAS number: 84-74-2
Chemical name: Methanol CAS number: 67-56-1

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, Acute Health Hazard, Chronic Health Hazard

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

Date of printing:
Date of issue: 10/7/2022
Date of revision: na
Version 001

16.1 Further information/disclaimer
It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements Date of previous issue