SAFETY DATA SHEET

# Black UVLED Ink

## SECTION 1: IDENTIFICATION

### 1.1. Product identifier

*Trade name:* Black UVLED Ink

*Product no.:* NS-R Black

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

*Relevant identified uses of the substance or mixture:* Industrial purposes, Printing inks
Restricted to professional users.

*Uses advised against :* None known.

### 1.3. Details of the supplier of the safety data sheet

*Company and address:*
**INKCUPS CORP.**
310 ANDOVER ST.
DANVERS, MA 01923
USA
978-646-8980

*E-mail:* compliance@inkcups.com

*SDS date:* 7/29/2025

*SDS Version:* 1.0

### 1.4. Emergency telephone number

CHEMTREC 800-424-9300 24hr

## SECTION 2: HAZARD(S) IDENTIFICATION

### OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 2.1. Classification of the substance or mixture

Skin Corr. 1C; H314, Causes severe skin burns and eye damage.
Skin Sens. 1; H317, May cause an allergic skin reaction.
Eye Dam. 1; H318, Causes serious eye damage.
Carc. 2; H351, Suspected of causing cancer.
Repr. 1B; H360, May damage fertility or the unborn child.

### 2.2. Label elements

*Hazard pictogram(s):*

*Signal word:* Danger

*Hazard statement(s):* Causes severe skin burns and eye damage. (H314)
May cause an allergic skin reaction. (H317)

Suspected of causing cancer. (H351)
May damage fertility or the unborn child. (H360)

*Precautionary statement(s):*

*General:* -

*Prevention:* Obtain special instructions before use. (P201)
Do not handle until all safety precautions have been read and understood. (P202)
Do not breathe vapor/mist/dust/fume/gas/spray. (P260)
Wash hands and exposed skin thoroughly after handling. (P264)
Contaminated work clothing should not be allowed out of the workplace. (P272)
Wear face protection/protective gloves/protective clothing. (P280)
Keep container tightly closed. (P233)
Avoid release to the environment. (P273)

*Response:* IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. (P301+P330+P331)
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353)
Take off contaminated clothing and wash it before reuse. (P362+P364)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
IF exposed or concerned: Get medical advice/attention. (P308+P313)
Immediately call a POISON CENTER/doctor. (P310)
If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)

*Storage:* Store in a well-ventilated place. (P403)

*Disposal:* Dispose of contents/container in accordance with local regulation. / in accordance with regional regulation. / in accordance with national regulation. / in accordance with international regulation. (P501)

*Additional labelling:* Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

## 3.2. Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|---|---|---|---|---|
| (5-ethyl-1,3-dioxan-5yl)methyl acrylate | CAS No.: 66492-51-1 | 25-40% | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317 | |
| Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate | CAS No.: 84434-11-7 | 15-25% | Skin Sens. 1B, H317 | |
| 1, 2-Ethanediyl bisacrylate | CAS No.: 26570-48-9 | 5-10% | Eye Irrit. 2, H319 | |
| hexane-1,6-diol diacrylate | CAS No.: 13048-33-4 | 5-10% | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Eye Irrit. 2, H319 | |
| Propylidynetrimethanol, propoxylated, esters with acrylic acid | CAS No.: 53879-54-2 | 5-10% | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 | |
| Tetrahydrofurfuryl acrylate | CAS No.: 2399-48-6 | 5-10% | 1, HHNOC071<br>Acute Tox. 4, H302<br>Skin Corr. 1C, H314<br>Skin Sens. 1B, H317<br>Eye Dam. 1, H318<br>Repr. 1B, H360 | |
| Neopentyl glycol propoxylate diacrylate | CAS No.: 84170-74-1 | 5-10% | Skin Sens. 1B, H317 | |
| phenyl bis(2,4,6trimethylbenzoyl)phosphine oxide | CAS No.: 162881-26-7 | 3-5% | Skin Sens. 1A, H317 | |
| trimethylolpropane triacrylate | CAS No.: 15625-89-5 | 1-3% | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Eye Irrit. 2, H319<br>Carc. 2, H351 | |
| Carbon black | CAS No.: 1333-86-4 | 1-3% | | [19] |
| 5-ethyl-1,3-dioxane-5methanol | CAS No.: 5187-23-5 | 1-3% | Eye Irrit. 2, H319 | |
| Glycerol, propoxylated, esters with acrylic acid | CAS No.: 52408-84-1 | <0.25% | Skin Sens. 1, H317<br>Eye Irrit. 2, H319 | |

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## SECTION 4: FIRST-AID MEASURES

### 4.1. Description of first aid measures

| | |
|---|---|
| *General information:* | If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).<br>Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink. |
| *Inhalation:* | Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her. |
| *Skin contact:* | Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.<br>Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.<br>If skin irritation occurs: Get medical advice/attention. |
| *Eye contact:* | If in eyes: Flush eyes with plenty of water or salt water (2030 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport. |
| *Ingestion:* | In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance. |
| *Burns:* | Not applicable. |

### 4.2. Most important symptoms and effects, both acute and delayed

Sensitization: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapor or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

### 4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Sulphur oxides

Carbon oxides (CO / CO2)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

### 6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

| | |
|---|---|
| *Recommended storage material:* | Keep only in original packaging. |
| *Storage conditions:* | 5 - 30°C |
| *Incompatible materials:* | No specific requirements |

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Carbon black

Long term exposure limit (OSHA Table Z-1) (mg/m³): 3.5

Long term exposure limit (ACGIH TLV) (mg/m³): 3 (Inhalable)

Long term exposure limit (NIOSH REL) (mg/m³): 3.5 (without PAHs); when PAHs are present, NIOSH considers carbon black to be a potential occupational carcinogen.

toluene

Short term exposure limit (STEL) (NIOSH REL) (ppm): 150

Long term exposure limit (ACGIH TLV) (ppm): 20

ethylbenzene

Short term exposure limit (STEL) (NIOSH REL) (ppm): 125

Long term exposure limit (OSHA Table Z-1) (mg/m³): 435

Long term exposure limit (OSHA Table Z-1) (ppm): 100

Long term exposure limit (ACGIH TLV) (ppm): 20

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

| | |
|---|---|
| *General recommendations:* | Smoking, drinking and consumption of food is not allowed in the work area. |
| *Exposure scenarios:* | There are no exposure scenarios implemented for this product. |
| *Exposure limits:* | Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above. |
| *Appropriate technical measures:* | The formation of vapors must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.<br>Ensure that eyewash stations and safety showers are located within easy reach.<br>Apply standard precautions during use of the product.<br>Avoid inhalation of vapors. |
| *Hygiene measures:* | In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face. |
| *Measures to avoid environmental exposure:* | Keep damming materials near the workplace. If possible, collect spillage during work. |

**Individual protection measures, such as personal protective equipment**

*Generally:* Use only protective equipment with a recognized certification mark, e.g. the UL mark.

*Respiratory Equipment:*

Respiratory protection is not needed in the event of adequate ventilation.

In case of insufficient ventilation, wear suitable respiratory equipment. Approved organic vapor respirator

*Skin protection:*

Dedicated work clothing should be worn.

*Hand protection:*

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

*Eye protection:*

In the likelihood of direct or incidental exposure, use face protection. (EN166)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| *Physical state:* | Liquid |
| *Color:* | Black |
| *Odor:* | Faint |
| *Odor threshold (ppm):* | No data available. |
| *pH:* | Not applicable |
| *Density (g/cm³):* | 1.07 (25 °C) |
| *Kinematic viscosity:* | No data available |
| *Particle characteristics:* | Does not apply to liquids. |

**Phase changes**

| | |
|---|---|
| *Melting point/freezing point (°F):* | No data available. |
| *Softening point/range (°F):* | Does not apply to liquids. |
| *Boiling point (°F):* | No data available |
| *Vapor pressure:* | No data available. |
| *Relative vapor density:* | No data available. |
| *Decomposition temperature (°F):* | No data available. |

**Data on fire and explosion hazards**

| | |
|---|---|
| *Flash point (°F):* | Not applicable |
| *Flammability (°F):* | No data available. |
| *Auto-ignition temperature (°F):* | No data available. |
| *Explosion limits (% v/v):* | No data available. |

**Solubility**

| | |
|---|---|
| *Solubility in water:* | No data available |
| *n-octanol/water coefficient (LogKow):* | No data available. |
| *Solubility in fat (g/L):* | No data available. |

### 9.2. Other information

| | |
|---|---|
| *Sensitivity to shock:* | No |
| *Other physical and chemical parameters:* | No data available. |
| *Oxidizing properties:* | No data available. |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

### 10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

No specific requirements

### 10.6. Hazardous decomposition products

Thermal decomposition may produce corrosive vapors.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects Acute toxicity

Product/substance hexane-1,6-diol diacrylate
Species: Rat
Route of exposure: Oral
Test: LD50 Result: >5000 mg/kg

Product/substance hexane-1,6-diol diacrylate
Species: Rabbit
Route of exposure: Dermal
Test: LD50 Result: 3650 mg/kg

Product/substance Propylidynetrimethanol, propoxylated, esters with acrylic acid
Species: Rat
Route of exposure: Oral
Test: LD50
Result: >2000 mg/kg

Based on available data, the classification criteria are not met.

### Skin corrosion/irritation

Product/substance hexane-1,6-diol diacrylate
Result: Adverse effect observed (Irritating)

Product/substance Propylidynetrimethanol, propoxylated, esters with acrylic acid
Result: No adverse effect observed (Not irritating)

Causes severe skin burns and eye damage.

### Serious eye damage/irritation

Product/substance hexane-1,6-diol diacrylate
Result: Adverse effect observed (Highly irritating)

Product/substance Propylidynetrimethanol, propoxylated, esters with acrylic acid
Result: No adverse effect observed (Not irritating)

Causes serious eye damage.

### Respiratory sensitization

Based on available data, the classification criteria are not met.

### Skin sensitization

Product/substance hexane-1,6-diol diacrylate
Result: Adverse effect observed (sensitizing)

| | |
|---|---|
| Product/substance | Propylidynetrimethanol, propoxylated, esters with acrylic acid |
| Result: | No adverse effect observed (not sensitizing) |

May cause an allergic skin reaction.

### Germ cell mutagenicity

| | |
|---|---|
| Product/substance | Propylidynetrimethanol, propoxylated, esters with acrylic acid |
| Test method: | OECD 471 |
| Species: | Bacteria |
| Conclusion: | No adverse effect observed |

Based on available data, the classification criteria are not met.

### Carcinogenicity

Suspected of causing cancer.

### Reproductive toxicity

| | |
|---|---|
| Product/substance | Propylidynetrimethanol, propoxylated, esters with acrylic acid |
| Species: | Rat |
| Test: | NOAEL |
| Result: | >=500 mg/kg bw/day |

May damage fertility or the unborn child.

### STOT-single exposure

Based on available data, the classification criteria are not met.

### STOT-repeated exposure

Based on available data, the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met.

### Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapor or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

### Other information

trimethylolpropane triacrylate has been classified by IARC as a group 2B carcinogen.

Carbon black has been classified by IARC as a group 2B carcinogen.

toluene has been classified by IARC as a group 3 carcinogen.
ethylbenzene has been classified by IARC as a group 2B carcinogen.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

| | |
|---|---|
| Product/substance | hexane-1,6-diol diacrylate |
| Species: | Fish, Oryzias latipes |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | 0.38 mg/L |

| | |
|---|---|
| Product/substance | hexane-1,6-diol diacrylate |
| Species: | Crustacean, Daphnia magna |
| Duration: | 48 hours |
| Test: | EC50 |

Result: 2.7 mg/L

Based on available data, the classification criteria are not met.

### 12.2. Persistence and degradability

Product/substance hexane-1,6-diol diacrylate
Conclusion: Readily biodegradable

### 12.3. Bioaccumulative potential

Product/substance hexane-1,6-diol diacrylate
LogKow: 2.81 @ 25C
Conclusion: -

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

toluene is listed with EPA Hazardous Waste Number: U220

### Specific labelling Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|---|---|---|---|---|---|---|
| DOT | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5ethyl-1,3-dioxan-5-yl)methyl acrylate) | Transport hazard class: 9<br>Label: 9<br>Classification code: M6<br>  | III | No | Limited quantities: 5 L<br>Tunnel restriction code: (-) See below for additional information. |

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|---|---|---|---|---|---|---|
| IMDG | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5ethyl-1,3-dioxan-5-yl)methyl acrylate) | Transport hazard class: 9<br>Label: 9<br>Classification code: M6<br>  | III | No | Limited quantities: 5 L<br>EmS: F-A<br>S-F See below for additional information. |
| IATA | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5ethyl-1,3-dioxan-5-yl)methyl acrylate) | Transport hazard class: 9<br>Label: 9<br>Classification code: M6<br>  | III | No | See below for additional information. |

* Packing group

** Environmental hazards

### Additional information

This product is within scope of the regulations of transport of dangerous goods.

Although this product is environmentally hazardous, the environmentally hazardous substance mark has been omitted as the product is supplied in packaging with a maximum quantity of 5 L / 5 kg.

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DOT / See § 172.101 Hazardous Materials Table for any information on special provisions, requirements, or warnings in connection with transport. See § 172.602, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport. IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

## 14.6. Special precautions for user

Not applicable.

## 14.7. Transport in bulk according to IMO instruments

No data available.

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.2. U.S. Federal regulations

| | |
|---|---|
| *TSCA (the non-confidential portion):* | (5-ethyl-1,3-dioxan-5-yl)methyl acrylate is listed<br>1, 2-Ethanediyl bisacrylate is listed hexane-1,6-diol diacrylate is listed<br>Propylidynetrimethanol, propoxylated, esters with acrylic acid is listed<br>Tetrahydrofurfuryl acrylate is listed<br>Neopentyl glycol propoxylate diacrylate is listed<br>phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide is listed<br>trimethylolpropane triacrylate is listed<br>Carbon black is listed<br>5-ethyl-1,3-dioxane-5-methanol is listed<br>Glycerol, propoxylated, esters with acrylic acid is listed<br>toluene is listed<br>ethylbenzene is listed |
| *Clean Air Act:* | toluene is regulated as a hazardous air pollutant (HAPS)<br><br>ethylbenzene is regulated as a hazardous air pollutant (HAPS) |
| *EPCRA Section 302:* | None of the components are listed |
| *EPCRA Section 304:* | None of the components are listed |
| *EPCRA section 313:* | toluene is listed<br>ethylbenzene is listed |
| *CERCLA:* | toluene is regulated with a Reportable Quantity (RQ) of: 1000 pounds<br>ethylbenzene is regulated with a Reportable Quantity (RQ) of: 1000 pounds |
| *Hazardous chemical inventory reporting:* | This product is subject to Tier II reporting. |

## State regulations

| | |
|---|---|
| *California / Prop. 65:* | 1, 2-Ethanediyl bisacrylate is known to cause: This product contains, or may contain residual Toluene (CAS No.108-883) known to the state of California to cause reproductive toxicity. __<br>trimethylolpropane triacrylate is known to cause: cancer<br>__<br>Carbon black is known to cause: Cancer<br>__<br>toluene is known to cause: Developmental Toxicity<br>NSRL/MADL (µg/day): 7000 (Level represents absorbed dose (rounded from 6,525 µg/day)<br>__<br>ethylbenzene is known to cause: Cancer<br>NSRL/MADL (µg/day): 54 (inhalation) 41 (oral)<br>__ |
| *Massachusetts / Right To Know Act:* | Carbon black is listed<br>toluene is listed<br>ethylbenzene is listed |
| *New Jersey / Right To Know Act:* | Carbon black / Substance number: 0342<br>Carbon black is on the Special Health Hazard Substance List __<br>toluene / Substance number: 1866<br>toluene is on the Special Health Hazard Substance List<br>__<br>ethylbenzene / Substance number: 0851<br>ethylbenzene is on the Special Health Hazard Substance List<br>__ |
| *New York / Right To Know Act:* | toluene is listed toluene is regulated with a Reportable Quantity (RQ) of:<br>1000 pounds<br>toluene is regulated with a Threshold Reporting Quantity (TRQ) of: 0 pounds<br>__<br>ethylbenzene is listed<br>ethylbenzene is regulated with a Reportable Quantity (RQ) of: 1000 pounds<br>ethylbenzene is regulated with a Threshold Reporting Quantity (TRQ) of: 0 pounds<br>__ |
| *Pennsylvania / Right To Know Act:* | Carbon black is listed<br>__<br>toluene is listed<br>toluene is hazardous to the environment (E) |

—
ethylbenzene is listed
ethylbenzene is hazardous to the environment (E)
—

### 15.4. Restrictions for application

Restricted to professional users.

### 15.5. Demands for specific education

No specific requirements.

### 15.6. Additional information

Not applicable.

### 15.7. Chemical safety assessment

No

### 15.8. Sources

OSHA Hazard Communication Standard (29 CFR 1910.1200)

## SECTION 16: OTHER INFORMATION

### Full text of H-phrases as mentioned in section 3

1, HHNOC071, Corrosive to the respiratory tract.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H351, Suspected of causing cancer.
H360, May damage fertility or the unborn child.

### The full text of identified uses as mentioned in section 1

None known.

### Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act

GHS = Globally Harmonized System of Classification and Labelling of Chemicals HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organization for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

## Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

## Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product.
Information in this safety data sheet cannot be used as a product specification.
Country-language: US-en