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SAFETY DATA SHEET

1. Identification

Product identifier: DuraMAX Low VOC Non-Chlorinated Brake Parts Cleaner BW4

Other means of identification

Product number: 95076NCBCLV

SDS Number: 014

Recommended use and restriction on use

Recommended use: Not available.

Restrictions on use: Not known.

Emergency telephone number: For emergency assistance Involving chemicals

Call INFOTRAC 800-535-5053

2. Hazard(s) identification

Hazard classification

Physical hazards

Flammable liquids Category 2

Health hazards

Serious eye damage/eye irritation Category 2A

Carcinogenicity Category 2

Toxic to reproduction Category 2

Environmental hazards Acute
hazards to the aquatic environment Category 3

Label elements

Hazard symbol



Signal word

Danger

Hazard statement

Highly flammable liquid and vapor.
Causes serious eye irritation.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Harmful to aquatic life.

Precautionary statement

Prevention

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. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If exposed or concerned: Get medical advice/attention. In case of fire: Use ... to extinguish.

Storage

Store in well-ventilated place. Store locked up.



Disposal

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

3. Composition/information on ingredients

Mixtures

| Chemical identity | Common name and synonyms | CAS number | Content in percent (%)* |
|---|--------------------------|------------|-------------------------|
| Acetone | | 67-64-1 | >=50 - <=60% |
| Naphtha (petroleum), hydrotreated light | | 64742-49-0 | >=30 - <=40% |
| Heptane | | 142-82-5 | >=30 - <=40% |
| Xylene | | 1330-20-7 | >=5 - <=15% |
| Ethylbenzene | | 100-41-4 | >=0 - <=5% |
| Toluene | | 108-88-3 | >=0 - <=0.5% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion: Do NOT induce vomiting. Never give liquid to an unconscious person. Get medical attention immediately.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.

Skin contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.



Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General fire hazards: No data available.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use: Foam. Carbon dioxide or dry powder.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: No data available.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Methods and material for containment and cleaning up: All equipment used when handling the product must be grounded. Eliminate sources of ignition. Absorb spillage with non-combustible, absorbent material. Dike for later disposal.

7. Handling and storage

Precautions for safe handling: Flammable/combustible - Keep away from oxidizers, heat and flames. Avoid contact with skin and eyes. Avoid breathing mists or vapors. Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities: No data available.



8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Chemical identity | Type | Exposure Limit values | Source |
|-------------------|---------|--|--|
| Acetone | TWA | 750 ppm 1,800 mg/m ³ | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | STEL | 1,000 ppm 2,400 mg/m ³ | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | ST ESL | 5,900 µg/m ³ | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | AN ESL | 590 µg/m ³ | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | ST ESL | 2,500 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | AN ESL | 250 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | Ceiling | 3,000 ppm | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| | TWA PEL | 500 ppm 1,200 mg/m ³ | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| | STEL | 750 ppm 1,780 mg/m ³ | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| | TWA | 500 ppm | US. ACGIH Threshold Limit Values (03 2013) |
| | STEL | 750 ppm | US. ACGIH Threshold Limit Values (03 2013) |
| | TWA | 200 ppm | US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values (03 2013) |
| | STEL | 500 ppm | US. ACGIH Notice of Intended |



| | | | | |
|---------|------------|-----------|-------------|---|
| | | | | Changes (NIC) to Threshold Limit Values (03 2013) |
| | REL | 250 ppm | 590 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | PEL | 1,000 ppm | 2,400 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | TWA | 750 ppm | 1,800 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | STEL | 1,000 ppm | 2,400 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| Heptane | TWA | 400 ppm | | US. ACGIH Threshold Limit Values (03 2013) |
| | STEL | 500 ppm | | US. ACGIH Threshold Limit Values (03 2013) |
| | REL | 85 ppm | 350 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | Ceil_Tim e | 440 ppm | 1,800 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | PEL | 500 ppm | 2,000 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | STEL | 500 ppm | 2,000 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 400 ppm | 1,600 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 400 ppm | 1,600 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | STEL | 500 ppm | 2,000 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | ST ESL | | 2,750 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | AN ESL | | 350 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | ST ESL | | 670 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |



| | | | | |
|--------|---------|---------|-------------|--|
| | AN ESL | | 85 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | TWA PEL | 400 ppm | 1,600 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| | STEL | 500 ppm | 2,000 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| Xylene | STEL | 150 ppm | | US. ACGIH Threshold Limit Values (03 2013) |
| | TWA | 100 ppm | | US. ACGIH Threshold Limit Values (03 2013) |
| | REL | 100 ppm | 435 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | REL | 100 ppm | 435 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | STEL | 150 ppm | 655 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | STEL | 150 ppm | 655 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | STEL | 150 ppm | 655 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | REL | 100 ppm | 435 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | PEL | 100 ppm | 435 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | STEL | 150 ppm | 655 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 100 ppm | 435 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 100 ppm | 435 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | STEL | 150 ppm | 655 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | AN ESL | | 180 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |



| | | | | |
|--------------|---------|---------|--------------------------|--|
| | ST ESL | | 350 µg/m ³ | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | ST ESL | | 80 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | AN ESL | | 42 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | TWA PEL | 100 ppm | 435 mg/m ³ | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| | Ceiling | 300 ppm | | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| | STEL | 150 ppm | 655 mg/m ³ | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| Ethylbenzene | TWA | 20 ppm | | US. ACGIH Threshold Limit Values (03 2013) |
| | STEL | 125 ppm | 545 mg/m ³ | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | REL | 100 ppm | 435 mg/m ³ | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | PEL | 100 ppm | 435 mg/m ³ | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | TWA | 100 ppm | 435 mg/m ³ | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | STEL | 125 ppm | 545 mg/m ³ | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 100 ppm | 435 mg/m ³ | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | STEL | 125 ppm | 545 mg/m ³ | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | AN ESL | | 570 µg/m ³ | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | ST ESL | | 740 | US. Texas. Effects Screening Levels |



| | | | | |
|---------|-----------|---------|-------------|--|
| | | | µg/m3 | (Texas Commission on Environmental Quality) (02 2013) |
| | ST ESL | | 170 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | AN ESL | | 135 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | TWA PEL | 100 ppm | 435 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| | STEL | 125 ppm | 545 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| Toluene | TWA | 20 ppm | | US. ACGIH Threshold Limit Values (03 2013) |
| | REL | 100 ppm | 375 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | STEL | 150 ppm | 560 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | TWA | 100 ppm | 375 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | STEL | 150 ppm | 560 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | Ceiling | 300 ppm | | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006) |
| | TWA | 200 ppm | | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006) |
| | MAX. CONC | 500 ppm | | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006) |
| | TWA | 100 ppm | 375 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | STEL | 150 ppm | 580 mg/m3 | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) |
| | AN ESL | | 1,200 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | ST ESL | | 3,470 µg/m3 | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |



| | | | |
|--|---------|-------------------|--|
| | | | Quality) (02 2013) |
| | ST ESL | 920 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | AN ESL | 330 ppb | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013) |
| | Ceiling | 500 ppm | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| | TWA PEL | 10 ppm 37 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |
| | STEL | 150 ppm 560 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012) |

Biological limit values

| Chemical identity | Exposure Limit values | Source |
|--|--------------------------------|---------------------|
| Acetone (acetone: Sampling time: End of shift.) | 50 mg/l (Urine) | ACGIH BEL (03 2013) |
| Xylene (Methylhippuric acids: Sampling time: End of shift.) | 1.5 g/g (Creatinine in urine) | ACGIH BEL (03 2013) |
| Ethylbenzene (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift at end of work week.) | 0.7 g/g (Creatinine in urine) | ACGIH BEL (03 2013) |
| Toluene (o-Cresol, with hydrolysis: Sampling time: End of shift.) | 0.3 mg/g (Creatinine in urine) | ACGIH BEL (03 2013) |
| Toluene (toluene: Sampling time: Prior to last shift of work | 0.02 mg/l (Blood) | ACGIH BEL (03 2013) |



| | | |
|---|-------------------|---------------------|
| week.) | | |
| Toluene (toluene: Sampling time: End of shift.) | 0.03 mg/l (Urine) | ACGIH BEL (03 2013) |

Appropriate engineering controls No data available.

Individual protection measures, such as personal protective equipment

General information: No data available.

Eye/face protection: No data available.

Skin protection

Hand protection: No data available.

Other: No data available.

Respiratory protection: No data available.

Hygiene measures: No data available.

9. Physical and chemical properties

Physical state: Liquid

Form: No data available.

Color: No data available.

Odor: No data available.

Odor threshold: No data available.

pH: No data available.

Melting point/freezing point: No data available.

Initial boiling point and boiling range: 56.5 °C

Flash Point: -20 °C

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%): No data available.

Flammability limit - lower (%): No data available.

Explosive limit - upper (%): No data available.

Explosive limit - lower (%): No data available.

Vapor pressure: No data available.

Vapor density: No data available.



| | |
|---|--------------------|
| Relative density: | No data available. |
| Solubility(ies) | |
| Solubility in water: | No data available. |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| Viscosity: | No data available. |

10. Stability and reactivity

| | |
|--|--------------------|
| Reactivity: | No data available. |
| Chemical stability: | No data available. |
| Possibility of hazardous reactions: | No data available. |
| Conditions to avoid: | No data available. |
| Incompatible materials: | No data available. |
| Hazardous decomposition products: | No data available. |

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|----------------------|--------------------|
| Ingestion: | No data available. |
| Inhalation: | No data available. |
| Skin contact: | No data available. |
| Eye contact: | No data available. |

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix (): 20,337.837838 mg/kg

Dermal

Product: ATEmix (): 5,000 mg/kg

Inhalation

Product: No data available.

Specified substance(s):

Acetone LC 50 (Rat,) : 76 mg/l (, No) 2 (reliable with restrictions) LC 50 (Rat, 4 h): 76 mg/l



Specified substance(s):

Naphtha (petroleum),
hydrotreated light LC 50 (Rat,) : > 5,200 mg/m³ (, Yes) 1 (reliable without restriction) LC 50
(Rat,) : > 5,260 mg/m³ (, Yes) 1 (reliable without restriction) LC 50 (Rat,) : >
5,000 mg/m³ (, Yes) 2 (reliable with restrictions)

Specified substance(s):

Heptane LD 50 (Mouse, 2 h): 75 mg/l LC 50 (Rat,) : > 73.5 mg/l (, No) 2 (reliable with
restrictions)

Specified substance(s):

Xylene LC 50 (Mouse, 6 h): 3,907 mg/l

Specified substance(s):

Toluene LC 50 (Rat, 4 h): 8,000 mg/l

Repeated dose toxicity

Product: No data available.

Skin corrosion/irritation

Product: No data available.

Serious eye damage/eye irritation

Product: No data available.

Specified substance(s):

Acetone Exposure for 15 minutes to 1660 ppm causes irritation of eyes

Specified substance(s):

Ethylbenzene Exposure to 21.5 g/m³ (5000 ppm) ethylbenzene for a few seconds gives
intolerable irritation of nose, eyes, and throat
Exposure to a concentration of 5000 ppm causes intolerable irritation of the
eyes
Concentration of 200 ppm causes irritation of eyes

Respiratory or skin sensitization

Product: No data available.

Carcinogenicity

Product: No data available.



IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Ethylbenzene Overall evaluation: 2B. Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ cell mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific target organ toxicity - single exposure

Product: No data available.

Specific target organ toxicity - repeated exposure

Product: No data available.

Aspiration hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Acetone LC 50 (Fathead minnow (Pimephales promelas), 0.5 h): 7,830 - 9,337 mg/l
 Mortality LC 50 (Fathead minnow (Pimephales promelas), 2 h): 7,081 - 9,120 mg/l
 Mortality LC 50 (Zebra danio (Danio rerio), 2 h): > 100 mg/l
 Mortality LC 50 (Zebra danio (Danio rerio), 2 h): > 100 mg/l
 Mortality LC 50 (Fathead minnow (Pimephales promelas), 4 h): 9,821 - 11,014 mg/l
 Mortality

Toluene LC 50 (Rainbow trout, donaldson trout (Oncorhynchus mykiss), 24 h): 6.26 - 8.4 mg/l
 Mortality LC 50 (Pink salmon (Oncorhynchus gorbuscha), 24 h):



6.97 - 8.62 mg/l Mortality LC 50 (Pink salmon (*Oncorhynchus gorbuscha*), 24 h): 7.45 - 8.75 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 24 h): 80 mg/l Mortality LC 50 (Zebra danio (*Danio rerio*), 24 h): > 100 mg/l Mortality

Aquatic invertebrates

Product: No data available.

Specified substance(s):

Acetone EC 50 (Water flea (*Daphnia magna*), 2 h): > 100 mg/l Intoxication EC 50 (Water flea (*Daphnia magna*), 4 h): > 100 mg/l Intoxication EC 50 (Water flea (*Daphnia magna*), 6 h): > 100 mg/l Intoxication EC 50 (Water flea (*Daphnia magna*), 24 h): 21.3 - 35.5 mg/l Intoxication EC 50 (Water flea (*Daphnia magna*), 24 h): > 100 mg/l Intoxication

Toluene LC 50 (Water flea (*Daphnia magna*), 24 h): 240 - 420 mg/l Mortality LC 50 (Brine shrimp (*Artemia salina*), 24 h): 33 mg/l Mortality LC 50 (Water flea (*Daphnia magna*), 24 h): 470 mg/l Mortality LC 50 (Brine shrimp (*Artemia* sp.), 24 h): 42.8 - 63.8 mg/l Mortality LC 50 (Rotifer (*Brachionus plicatilis*), 24 h): 519.5 - 585.7 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and degradability

Biodegradation

Product: No data available.

BOD/COD ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration factor (BCF)

Product: No data available.

Specified substance(s):



| | |
|--|--|
| Toluene | Green algae (<i>Chlorella fusca</i>), Bioconcentration factor (BCF): 380 (Not reported) Green algae (<i>Selenastrum capricornutum</i>), Bioconcentration factor (BCF): 3,016 (Static) Green algae (<i>Chlorella fusca vacuolata</i>), Bioconcentration factor (BCF): 380 (Static) Shore crab (<i>Hemigrapsus nudus</i>), Bioconcentration factor (BCF): 31 (Flow through) Ide, silver or golden orfe (<i>Leuciscus idus</i>), Bioconcentration factor (BCF): 94 (Not reported) |
| Partition coefficient n-octanol / water (log Kow) | |
| Product: | No data available. |
| Specified substance(s): | |
| Acetone | Log Kow: -0.24 |
| Heptane | Log Kow: 4.66 |
| Xylene | Log Kow: 3.12 - 3.20 |
| Ethylbenzene | Log Kow: 3.15 |
| Toluene | Log Kow: 2.73 |
| Mobility in soil: | No data available. |
| Known or predicted distribution to environmental compartments | |
| Acetone | No data available. |
| Naphtha (petroleum), hydrotreated light | No data available. |
| Heptane | No data available. |
| Xylene | No data available. |
| Ethylbenzene | No data available. |
| Toluene | No data available. |
| Known or predicted distribution to environmental compartments | |
| Naphtha (petroleum), hydrotreated light | No data available. |

13. Disposal considerations

Disposal instructions: No data available.
Contaminated packaging: No data available.



14. Transport information

DOT

| | |
|-------------------------------|---|
| UN number: | UN 1993 |
| UN proper shipping name: | Flammable liquids, n.o.s.(Acetone, Heptane) |
| Transport hazard class(es) | |
| Class: | 3 |
| Label(s): | 3 |
| Packing group: | II |
| Marine Pollutant: | Not regulated. |
| Special precautions for user: | - |

15. Regulatory information

US federal regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

| | |
|--------------|--------------------------------|
| Acetone | Reportable quantity: 5000 lbs. |
| Heptane | Reportable quantity: 100 lbs. |
| Xylene | Reportable quantity: 100 lbs. |
| Ethylbenzene | Reportable quantity: 1000 lbs. |
| Toluene | Reportable quantity: 1000 lbs. |

Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories

Not listed.



SARA 302 Extremely hazardous substance

None present or none present in regulated quantities.

SARA 304 Emergency release notification

| <u>Chemical identity</u> | <u>RQ</u> |
|--------------------------|-----------|
| Acetone | 5000 lbs. |
| Heptane | 100 lbs. |
| Xylene | 100 lbs. |
| Ethylbenzene | 1000 lbs. |
| Toluene | 1000 lbs. |

SARA 311/312 Hazardous chemical

| <u>Chemical identity</u> | <u>Threshold Planning Quantity</u> |
|--------------------------|------------------------------------|
| Acetone | 500 lbs |
| Heptane | 500 lbs |
| Xylene | 500 lbs |
| Ethylbenzene | 500 lbs |
| Toluene | 500 lbs |

SARA 313 (TRI reporting)

| <u>Chemical identity</u> | <u>Reporting threshold for other users</u> | <u>Reporting threshold for manufacturing and processing</u> |
|--------------------------|--|---|
| Xylene | 10000 lbs | 25000 lbs. |
| Ethylbenzene | 10000 lbs | 25000 lbs. |

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

| | |
|--------------|--------------------------------|
| Xylene | Reportable quantity: 100 lbs. |
| Ethylbenzene | Reportable quantity: 1000 lbs. |
| Toluene | Reportable quantity: 1000 lbs. |

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US state regulations

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

| | |
|--------------|----------------------------|
| Ethylbenzene | Carcinogenic. |
| Toluene | Developmental toxin. |
| Toluene | Female reproductive toxin. |



US. New Jersey Worker and Community Right-to-Know Act

| | |
|--------------|-------------------|
| Acetone | Listed |
| Heptane | Listed |
| Xylene | Listed |
| Ethylbenzene | Listed US. |

Massachusetts RTK - Substance List

| | |
|--------------|--------|
| Acetone | Listed |
| Heptane | Listed |
| Xylene | Listed |
| Ethylbenzene | Listed |

US. Pennsylvania RTK - Hazardous Substances

| | |
|--------------|--------|
| Acetone | Listed |
| Heptane | Listed |
| Xylene | Listed |
| Ethylbenzene | Listed |

US. Rhode Island RTK

| | |
|--------------|--------|
| Acetone | Listed |
| Xylene | Listed |
| Ethylbenzene | Listed |



| | |
|--|---------------------------------------|
| Inventory Status: Australia AICS: | Not in compliance with the inventory. |
| Canada DSL Inventory List: | Not in compliance with the inventory. |
| EU EINECS List: | Not in compliance with the inventory. |
| EU ELINCS List: | Not in compliance with the inventory. |
| Japan (ENCS) List: | Not in compliance with the inventory. |
| EU No Longer Polymers List: | Not in compliance with the inventory. |
| China Inv. Existing Chemical Substances: | Not in compliance with the inventory. |
| Korea Existing Chemicals Inv. (KECI): | Not in compliance with the inventory. |
| Canada NDSL Inventory: | Not in compliance with the inventory. |
| Philippines PICCS: | Not in compliance with the inventory. |
| US TSCA Inventory: | Not in compliance with the inventory. |
| New Zealand Inventory of Chemicals: | Not in compliance with the inventory. |
| Japan ISHL Listing: | Not in compliance with the inventory. |
| Japan Pharmacopoeia Listing: | Not in compliance with the inventory. |

16. Other information, including date of preparation or last revision

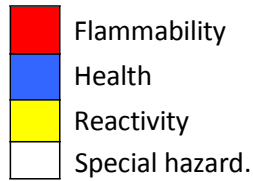
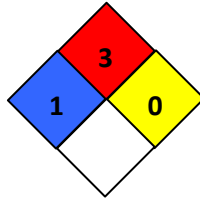
HMIS Hazard ID

| | | |
|----------------------------|---|----------|
| Health | * | 1 |
| Flammability | | 3 |
| Physical hazards | | 0 |
| PERSONAL PROTECTION | | K |

K - Hood, Gloves, Protective Suit & Boots

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue date: 04/30/2015
Revision date: No data available.
Version #: 1.0
Further information: No data available.

This Safety Data Sheet is prepared according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012. The information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.