

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 11/17/2016

Revision: 11/17/2016

1 Identification

- **Product identifier**
- **Trade name: HEDRIX Industrial Strength Custom Color Spray Paint**
- **Product code:** No other identifiers
- **Colors:** All colors

- **Recommended use and restriction on use**
- **Recommended use:** Consumer use
- **Restrictions on use:** See Sections 8 and 10 for further information.

- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
 Hedrix
 65 Brown Ave
 Springfield, NJ 07081
 973-863-2639

- **Emergency telephone number:**
 ChemTel Inc.
 (800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**

Flam. Aerosol 1	H222	Extremely flammable aerosol.
Press. Gas	H280	Contains gas under pressure; may explode if heated.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
Carc. 2	H351	Suspected of causing cancer. Route of exposure: Inhalation.
Repr. 2	H361	Suspected of damaging fertility or the unborn child.
STOT SE 3	H336	May cause drowsiness or dizziness.
STOT RE 1	H372	Causes damage to the central nervous system through prolonged or repeated exposure.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS02 GHS04 GHS07 GHS08

- **Signal word:** Danger

- **Hazard statements:**

H222 Extremely flammable aerosol.
 H280 Contains gas under pressure; may explode if heated.
 H315 Causes skin irritation.

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H319 Causes serious eye irritation.
 H351 Suspected of causing cancer. Route of exposure: Inhalation.
 H361 Suspected of damaging fertility or the unborn child.
 H336 May cause drowsiness or dizziness.
 H372 Causes damage to the central nervous system through prolonged or repeated exposure.
 H304 May be fatal if swallowed and enters airways.

Precautionary statements:







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.
 P251 Pressurized container: Do not pierce or burn, even after use.
 P260 Do not breathe mist/vapors/spray.
 P211 Do not spray on an open flame or other ignition source.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P331 Do NOT induce vomiting.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P405 Store locked up.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Components:

67-64-1	acetone  Flam. Liq. 2, H225  Eye Irrit. 2A, H319; STOT SE 3, H336	40-50%
74-98-6	propane  Flam. Gas 1, H220  Press. Gas, H280	10-20%
106-97-8	butane  Flam. Gas 1, H220  Press. Gas, H280	5-10%
7440-50-8	copper	0-10%

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7429-90-5	aluminum	0-10%
64742-95-6	Solvent naphtha (petroleum), light arom. ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	0-9%
1330-20-7	xylene ⚠ Flam. Liq. 3, H226 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	0-9%
12001-26-2	Mica	0-9%
13463-67-7	titanium dioxide ⚠ Carc. 2, H351	0-7%
1317-80-2	Rutile (TiO ₂) ⚠ Carc. 2, H351	0-6%
95-63-6	1,2,4-trimethylbenzene ⚠ Flam. Liq. 3, H226 ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	0-4%
8052-41-3	Stoddard solvent ⚠ Flam. Liq. 3, H226 ⚠ STOT RE 1, H372; Asp. Tox. 1, H304	0-3%
64742-94-5	Solvent naphtha (petroleum), heavy arom. ⚠ Asp. Tox. 1, H304 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336 Flam. Liq. 4, H227	0-3%
112926-00-8	precipitated silica (silica - amorphous)	0-3%
123-86-4	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	0-3%
1333-86-4	carbon black ⚠ Carc. 2, H351	0-3%
108-88-3	toluene ⚠ Flam. Liq. 2, H225 ⚠ Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336 Eye Irrit. 2B, H320	0-2%
100-41-4	ethylbenzene ⚠ Flam. Liq. 2, H225 ⚠ Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332	0-2%
111-76-2	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319 Flam. Liq. 4, H227	0-2%

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64742-47-8	Distillates (petroleum), hydrotreated light  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Skin Irrit. 2, H315; STOT SE 3, H336	0-2%
110-43-0	heptan-2-one  Flam. Liq. 3, H226  Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H336	0-2%
98-82-8	cumene  Flam. Liq. 3, H226  Carc. 2, H351; Asp. Tox. 1, H304  STOT SE 3, H335	<1%

· **Additional information:**

Petroleum-based ingredients pass the IP-346 assay for polycyclic aromatic compounds.
 For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
 For the wording of the listed Hazard Statements refer to section 16.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.
 Provide oxygen treatment if affected person has difficulty breathing.
 In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.
 If skin irritation continues, consult a doctor.
 In cases of frostbite, rinse with plenty of water. Do not remove clothing.

· **After eye contact:**

Remove contact lenses if worn, if possible.
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Unlikely route of exposure.
 Rinse out mouth and then drink plenty of water.
 Do not induce vomiting; immediately call for medical help.

· **Most important symptoms and effects, both acute and delayed:**

Headache
 Breathing difficulty
 Coughing
 Dizziness
 Irritant to eyes.
 Irritant to skin and mucous membranes.
 Frostbite

· **Danger:**

Danger of impaired breathing.
 Vapors have narcotic effect.
 Vapours may cause drowsiness and dizziness.
 May be fatal if swallowed and enters airways.
 Suspected of causing cancer. Route of exposure: Inhalation.

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- Suspected of damaging fertility or the unborn child.
- Causes damage to the central nervous system through prolonged or repeated exposure.
- **Indication of any immediate medical attention and special treatment needed:**
 - Medical supervision for at least 48 hours.
 - If medical advice is needed, have product container or label at hand.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 - BC powder
 - Water fog / haze
 - Foam
 - Carbon dioxide
 - Gaseous extinguishing agents
 - Fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents:** Water stream.
- **Special hazards arising from the substance or mixture**
 - Formation of toxic gases is possible during heating or in case of fire.
 - Danger of receptacles bursting because of high vapor pressure if heated.
- **Advice for firefighters**
- **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.
- **Additional information:**
 - Eliminate all ignition sources if safe to do so.
 - Cool endangered containers with water fog.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Ensure adequate ventilation.
 - Use personal protective equipment as required.
 - Keep away from ignition sources.
 - Protect from heat.
- **Environmental precautions** Avoid release to the environment.
- **Methods and material for containment and cleaning up**
 - Towel or mop up material and collect in a suitable container.
 - Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

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7 Handling and storage

- **Handling**

- **Precautions for safe handling:**

- Use only in well ventilated areas.
- Avoid splashes or spray in enclosed areas.
- Do not spray on an open flame or other ignition source.
- Keep out of reach of children.
- Avoid breathing mist, vapors, or spray.
- Avoid contact with the eyes and skin.

- **Information about protection against explosions and fires:**

- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.
- Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use.
- Do not spray on a naked flame or any incandescent material.
- Emergency cooling must be available in case of nearby fire.
- Flammable gas-air mixtures may be formed in empty containers/receptacles.
- Keep respiratory protective device available.

- **Conditions for safe storage, including any incompatibilities**

- **Storage**

- **Requirements to be met by storerooms and receptacles:**

- Avoid storage near extreme heat, ignition sources or open flame.
- Observe official regulations on storing packagings with pressurized containers.
- Storage area should be dry and well-ventilated.

- **Information about storage in one common storage facility:**

- Store away from foodstuffs.
- Store away from oxidizing agents.

- **Further information about storage conditions:**

- Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

- **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

67-64-1 acetone

PEL (USA)	Long-term value: 2400 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 590 mg/m ³ , 250 ppm
TLV (USA)	Short-term value: 1187 mg/m ³ , 500 ppm
	Long-term value: 594 mg/m ³ , 250 ppm BEI
EL (Canada)	Short-term value: 500 ppm Long-term value: 250 ppm

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EV (Canada)	Short-term value: 750 ppm Long-term value: 500 ppm
LMPE (Mexico)	Short-term value: 750 ppm Long-term value: 500 ppm A4, IBE

74-98-6 propane

PEL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV (USA)	refer to Appendix F in TLVs&BEIs book; NIC-EX
EL (Canada)	Long-term value: 1000 ppm
EV (Canada)	Long-term value: 1000 ppm
LMPE (Mexico)	Long-term value: 1000 ppm

106-97-8 butane

REL (USA)	Long-term value: 1900 mg/m ³ , 800 ppm
TLV (USA)	Short-term value: (2370) mg/m ³ , (1000) ppm NIC-EX
EL (Canada)	Short-term value: 750 ppm Long-term value: 600 ppm
EV (Canada)	Long-term value: 800 ppm
LMPE (Mexico)	Long-term value: 1000 ppm

7440-50-8 copper

PEL (USA)	Long-term value: 1* 0.1** mg/m ³ as Cu *dusts and mists **fume
REL (USA)	Long-term value: 1* 0.1** mg/m ³ as Cu *dusts and mists **fume
TLV (USA)	Long-term value: 1* 0.2** mg/m ³ *dusts and mists; **fume; as Cu
EL (Canada)	Long-term value: 1* 0.2** mg/m ³ *dusts and mists; **fume, as Cu
EV (Canada)	Long-term value: 0.2* 1** mg/m ³ as copper, *fume; **dust and mists
LMPE (Mexico)	Long-term value: 0.2* 1** mg/m ³ *humo (como Cu); **polvo y niebla (como Cu)

7429-90-5 aluminum

PEL (USA)	Long-term value: 15*; 5** mg/m ³ *Total dust; ** Respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ as Al*Total dust**Respirable/pyro powd./welding f.
TLV (USA)	Long-term value: 1* mg/m ³ as Al; *as respirable fraction
EL (Canada)	Long-term value: 1.0 mg/m ³ respirable, as Al

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EV (Canada)	Long-term value: 5 mg/m ³ aluminium-containing (as aluminium)
LMPE (Mexico)	Long-term value: 1* mg/m ³ A4, *fracción respirable

1330-20-7 xylene

PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI
EL (Canada)	Short-term value: 150 ppm Long-term value: 100 ppm
EV (Canada)	Short-term value: 650 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
LMPE (Mexico)	Short-term value: 150 ppm Long-term value: 100 ppm A4, IBE

12001-26-2 Mica

PEL (USA)	Long-term value: 20 mppcf ppm <1% crystalline silica
REL (USA)	Long-term value: 3* mg/m ³ *respirable dust; containing < 1% quartz
TLV (USA)	Long-term value: 3* mg/m ³ *as respirable fraction
EL (Canada)	Long-term value: 3 mg/m ³
EV (Canada)	Long-term value: 3(D) mg/m ³ respirable
LMPE (Mexico)	Long-term value: 3* mg/m ³ *fracción respirable

13463-67-7 titanium dioxide

PEL (USA)	Long-term value: 15* mg/m ³ **total dust
REL (USA)	See Pocket Guide App. A
TLV (USA)	Long-term value: 10 mg/m ³ withdrawn from NIC
EL (Canada)	Long-term value: 10* 3** mg/m ³ *total dust;**respirable fraction; IARC 2B
EV (Canada)	Long-term value: 10 mg/m ³ total dust
LMPE (Mexico)	Long-term value: 10 mg/m ³ A4

95-63-6 1,2,4-trimethylbenzene

REL (USA)	Long-term value: 125 mg/m ³ , 25 ppm
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TLV (USA)	Long-term value: 123 mg/m ³ , 25 ppm
8052-41-3 Stoddard solvent	
PEL (USA)	Long-term value: 2900 mg/m ³ , 500 ppm
REL (USA)	Long-term value: 350 mg/m ³ Ceiling limit value: 1800* mg/m ³ *15-min
TLV (USA)	Long-term value: 525 mg/m ³ , 100 ppm
EL (Canada)	Short-term value: 580 mg/m ³ Long-term value: 290 mg/m ³
EV (Canada)	Long-term value: 525 mg/m ³
LMPE (Mexico)	Long-term value: 100 ppm
112926-00-8 precipitated silica (silica - amorphous)	
PEL (USA)	20mppcf or 80mg/m ³ /%SiO ₂
REL (USA)	Long-term value: 6 mg/m ³ See Pocket Guide App. C
TLV (USA)	TLV withdrawn
EL (Canada)	Long-term value: 4* 1.5** mg/m ³ Precipitated and gel;*total;**respirable
EV (Canada)	Long-term value: 10 mg/m ³
LMPE (Mexico)	Long-term value: 10 mg/m ³
123-86-4 n-butyl acetate	
PEL (USA)	Long-term value: 710 mg/m ³ , 150 ppm
REL (USA)	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
TLV (USA)	Short-term value: 712 mg/m ³ , 150 ppm Long-term value: 238 mg/m ³ , 50 ppm
EL (Canada)	Long-term value: 20 ppm
EV (Canada)	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
LMPE (Mexico)	Short-term value: 200 ppm Long-term value: 150 ppm
1333-86-4 carbon black	
PEL (USA)	Long-term value: 3.5 mg/m ³
REL (USA)	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV (USA)	Long-term value: 3* mg/m ³ *inhalable fraction
EL (Canada)	Long-term value: 3 mg/m ³ IARC 2B
EV (Canada)	Long-term value: 3.5 mg/m ³
LMPE (Mexico)	Long-term value: 3* mg/m ³ A3, *fracción inhalable

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108-88-3 toluene

PEL (USA)	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL (USA)	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 75 mg/m ³ , 20 ppm BEI
EL (Canada)	Long-term value: 20 ppm R
EV (Canada)	Long-term value: 20 ppm
LMPE (Mexico)	Long-term value: 20 ppm A4, IBE

100-41-4 ethylbenzene

PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 87 mg/m ³ , 20 ppm BEI
EL (Canada)	Long-term value: 20 ppm IARC 2B
EV (Canada)	Short-term value: 540 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
LMPE (Mexico)	Long-term value: 20 ppm

111-76-2 2-butoxyethanol

PEL (USA)	Long-term value: 240 mg/m ³ , 50 ppm Skin
REL (USA)	Long-term value: 24 mg/m ³ , 5 ppm Skin
TLV (USA)	Long-term value: 97 mg/m ³ , 20 ppm BEI
EL (Canada)	Long-term value: 20 ppm
EV (Canada)	Long-term value: 20 ppm Skin
LMPE (Mexico)	Long-term value: 20 ppm A3, IBE

64742-47-8 Distillates (petroleum), hydrotreated light

EL (Canada)	Long-term value: 200 mg/m ³ Skin
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110-43-0 heptan-2-one

PEL (USA)	Long-term value: 465 mg/m ³ , 100 ppm
REL (USA)	Long-term value: 465 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 233 mg/m ³ , 50 ppm

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EL (Canada)	Long-term value: 50 ppm
EV (Canada)	Long-term value: 115 mg/m ³ , 25 ppm
LMPE (Mexico)	Long-term value: 50 ppm

25013-15-4 vinyltoluene

PEL (USA)	Long-term value: 480 mg/m ³ , 100 ppm
REL (USA)	Long-term value: 480 mg/m ³ , 100 ppm
TLV (USA)	Short-term value: 483 mg/m ³ , 100 ppm Long-term value: 242 mg/m ³ , 50 ppm
EL (Canada)	Short-term value: 75 ppm Long-term value: 25 ppm
EV (Canada)	Short-term value: 482 mg/m ³ , 100 ppm Long-term value: 241 mg/m ³ , 50 ppm
LMPE (Mexico)	Short-term value: 100 ppm Long-term value: 50 ppm A4

98-82-8 cumene

PEL (USA)	Long-term value: 245 mg/m ³ , 50 ppm Skin
REL (USA)	Long-term value: 245 mg/m ³ , 50 ppm Skin
TLV (USA)	Long-term value: 246 mg/m ³ , 50 ppm
EL (Canada)	Short-term value: 75 ppm Long-term value: 25 ppm IARC 2B
EV (Canada)	Long-term value: 245 mg/m ³ , 50 ppm Skin
LMPE (Mexico)	Long-term value: 50 ppm

Ingredients with biological limit values:

67-64-1 acetone

BEI (USA)	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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1330-20-7 xylene

BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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108-88-3 toluene

BEI (USA)	0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene
	0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene
	0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)

100-41-4 ethylbenzene

BEI (USA)	0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
	- Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)

111-76-2 2-butoxyethanol

BEI (USA)	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis
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- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Pregnant women should strictly avoid inhalation or skin contact.

- **Engineering controls:** No relevant information available.

- **Breathing equipment:**

NIOSH or EU approved mist respirator is recommended in areas where general ventilation is poor.

- **Protection of hands:**



Protective gloves

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· **Eye protection:**



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment**

Avoid release to the environment.

· **Risk management measures** See Section 7 for additional information.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**

· **Form:** Aerosol

· **Color:** According to product specification

· **Odor:** Solvent-like

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Melting point/Melting range:** Not applicable, as aerosol.

· **Boiling point/Boiling range:** Not applicable, as aerosol.

· **Flash point:** Not applicable, as aerosol.

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits**

· **Lower:** Not determined.

· **Upper:** Not determined.

· **Oxidizing properties:** Non-oxidizing.

· **Vapor pressure:** Not determined.

· **Density:**

· **Relative density:** Not determined.

· **Vapor density:** Not determined.

· **Evaporation rate:** Not applicable.

· **Solubility in / Miscibility with**

· **Water:** Partly miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity**

· **Dynamic:** Not determined.

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Kinematic: Not determined.
Other information No relevant information available.

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
 Danger of receptacles bursting because of high vapor pressure if heated.
- **Possibility of hazardous reactions**
 Extremely flammable aerosol.
 Develops readily flammable gases / fumes.
 Reacts with oxidizing agents.
 Reacts with strong acids and alkali.
 Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**
 Carbon monoxide and carbon dioxide
 Toxic metal oxide smoke

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4h	>10.2 mg/l (rat)

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

95-63-6 1,2,4-trimethylbenzene

Oral	LD50	5000 mg/kg (rat)
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108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4h	5320 mg/l (mouse)

100-41-4 ethylbenzene

Oral	LD50	3500 mg/kg (rat)
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Dermal	LD50	17800 mg/kg (rabbit)
111-76-2 2-butoxyethanol		
Oral	LD50	1480 mg/kg (rat)
Dermal	LD50	1001-2000 mg/kg (rat) (Estimated)
Inhalative	LC50/4h	450 ppm (rat)
64742-47-8 Distillates (petroleum), hydrotreated light		
Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
110-43-0 heptan-2-one		
Oral	LD50	1670 mg/kg (rat)
Dermal	LD50	12600 mg/kg (rabbit)

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Sensitization:** Based on available data, the classification criteria are not met.

· **IARC (International Agency for Research on Cancer):**

91-20-3	naphthalene	2B
13463-67-7	titanium dioxide	2B
98-82-8	cumene	2B
7440-48-4	cobalt	2B
1333-86-4	carbon black	2B
100-41-4	ethylbenzene	2B
14808-60-7	Quartz (SiO ₂)	1

· **NTP (National Toxicology Program):**

98-82-8	cumene	R
14808-60-7	Quartz (SiO ₂)	K
91-20-3	naphthalene	R

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

Inhalation.
Eye contact.
Skin contact.

· **Acute effects (acute toxicity, irritation and corrosivity):**

Vapors have narcotic effect.
May cause drowsiness or dizziness.
Irritating to eyes and skin.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Carc. 2, Repr. 2

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Suspected of causing cancer. Route of exposure: Inhalation.

· **Reproductive toxicity:** Suspected of damaging fertility or the unborn child.

· **STOT-single exposure:** May cause drowsiness or dizziness.

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- **STOT-repeated exposure:**
Causes damage to the central nervous system through prolonged or repeated exposure.
- **Aspiration hazard:** May be fatal if swallowed and enters airways.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity**
Harmful to aquatic life with long lasting effects.

1330-20-7 xylene

LC50	13.4 mg/l (pimephales promelas)
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64742-94-5 Solvent naphtha (petroleum), heavy arom.

LC50	3.6 mg/l (Oncorhynchus mykiss)
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100-41-4 ethylbenzene

EC50	1-10 mg/kg (daphnia)
LC50	1-10 mg/l (Green Algae (chlorophyta))
	4.2 mg/l (Oncorhynchus mykiss)

398475-96-2 1,2-Ethanediamine, polymer with aziridine, N-[3-[(2-ethylhexyl)oxy]-3-oxypropyl] dervs., compds. with polyethylene-polypropylene glycol

EC50	<1.0 mg/kg (Pseudokirchneriella subcapitata)
LC50	8.0 mg/l (Oncorhynchus mykiss)

- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Contact waste processors for recycling information.
Smaller quantities can be disposed of with household waste.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

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- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG** UN1950
- **IATA** ID8000

- **UN proper shipping name**
- **DOT** Aerosols
- **ADR, IMDG** AEROSOLS
- **IATA** Consumer commodity

- **Transport hazard class(es)**

- **DOT**



- **Class** 2 Gases
- **Label** 2.1

- **ADR**



- **Class** 2 5F Gases
- **Label** 2.1

- **IMDG**



- **Class** 2 Gases
- **Label** 2.1

- **IATA**



- **Class** 9 Miscellaneous dangerous substances and articles
- **Label** 9

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· Packing group	Aerosols are not assigned a packing group.
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· Environmental hazards	
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· Marine pollutant:	No
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· Special precautions for user	Warning: Gases
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· EMS Number:	F-D,S-U
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· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
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· Transport/Additional information:	
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· DOT	
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Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

May be shipped as Consumer commodity (ORM-D) when packaged and distributed in a form intended or suitable for sale through retail sales agencies or instrumentalities for consumption by individuals for purposes of personal care or household use.

· ADR	
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Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

· IMDG	
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Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture	
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· United States (USA)	
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· SARA	
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· Section 302 (extremely hazardous substances):	
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None of the ingredients are listed.

· Section 355 (extremely hazardous substances):	
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None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):	
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7440-50-8	copper
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7429-90-5	aluminum
1330-20-7	xylene
95-63-6	1,2,4-trimethylbenzene
7440-66-6	zinc metal
108-88-3	toluene
100-41-4	ethylbenzene
111-76-2	2-butoxyethanol

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

13463-67-7	titanium dioxide
1317-80-2	Rutile (TiO ₂)
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)
1333-86-4	carbon black
100-41-4	ethylbenzene
98-82-8	cumene
14808-60-7	Quartz (SiO ₂)
91-20-3	naphthalene
7440-48-4	cobalt

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

108-88-3 | toluene

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

67-64-1	acetone	I
7440-50-8	copper	D
1330-20-7	xylene	I
7440-66-6	zinc metal	D, I, II
108-88-3	toluene	II
100-41-4	ethylbenzene	D
111-76-2	2-butoxyethanol	NL
1313-13-9	manganese dioxide	D
98-82-8	cumene	D, CBD

· **IARC (International Agency for Research on Cancer):**

7440-48-4 | cobalt

2B

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13463-67-7	titanium dioxide	2B
1333-86-4	carbon black	2B
100-41-4	ethylbenzene	2B
98-82-8	cumene	2B
14808-60-7	Quartz (SiO ₂)	1
91-20-3	naphthalene	2B

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

13463-67-7	titanium dioxide
1333-86-4	carbon black
14808-60-7	Quartz (SiO ₂)

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 11/17/2016 / -

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 LDLo: Lowest Lethal Dose Observed
 Flam. Gas 1: Flammable gases – Category 1
 Flam. Aerosol 1: Aerosols – Category 1
 Press. Gas: Gases under pressure – Compressed gas
 Press. Gas: Gases under pressure – Liquefied gas
 Flam. Liq. 2: Flammable liquids – Category 2
 Flam. Liq. 3: Flammable liquids – Category 3
 Flam. Liq. 4: Flammable liquids – Category 4
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
 Carc. 2: Carcinogenicity – Category 2
 Carc. 2: Carcinogenicity – Category 2
 Repr. 2: Reproductive toxicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Asp. Tox. 1: Aspiration hazard – Category 1

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· **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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