

RelaDyne, LLC 8280 Montgomery Road, Suite 101 Cincinnati, OH 45236 888-830-3156 www.reladyne.com

# **SAFETY DATA SHEET**

1. Identification

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

Other means of identificationProduct number:95076NCBCLVSDS 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

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%

## Mixtures

\* 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 symptom	s/effects, acute and delayed
Symptoms:	No data available.



#### Indication of immediate medical attention and special treatment needed

No data available.
No data available.
hing media
Use: Foam. Carbon dioxide or dry powder.
No data available.
No data available.
precautions for firefighters
No data available.
No data available.
3
No data available.
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.
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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	Туре	Exposure Lin	nit values	Source
Acetone	TWA	750 ppm	1,800	US. Tennessee. OELs. Occupational
			mg/m3	Exposure Limits, Table Z1A (06 2008)
	STEL	1,000 ppm	2,400	US. Tennessee. OELs. Occupational
			mg/m3	Exposure Limits, Table Z1A (06 2008)
	ST ESL		5,900	US. Texas. Effects Screening Levels
			µg/m3	(Texas Commission on Environmental
				Quality) (02 2013)
	AN ESL		590	US. Texas. Effects Screening Levels
			µg/m3	(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	US. California Code of Regulations,
			mg/m3	Title 8, Section 5155. Airborne
				Contaminants (02 2012)
	STEL	750 ppm	1,780	US. California Code of Regulations,
			mg/m3	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   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   US. California Code of Regulations, mg/m3     TWA PEL   100 ppm   435   US. California Code of Regulations, mg/m3     Ceiling   300 ppm   US. California Code of Regulations, mg/m3   Title 8, Section 5155. Airborne Contaminants (02 2012)     STEL   150 ppm   655   US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)     Ethylbenzene   TWA   20 ppm   US. California Code of Regulations, mg/m3     TIVA   20 ppm   US. California Code of Regulations, mg/m3     TIVA   20 ppm   US. California Code of Regulations, mg/m3     TIVA   100 ppm   435   US. NIOSH: Pocket Guide to Chemical mg/m3     Hazards (2010)   REL   100 ppm   435   US. NIOSH: Pocket Guide to Chemical mg/m3     TWA   100 ppm   435   US. SOHA Table Z-1-A (29 CFR     mg/m3   1910.1000) (1989)					
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TWA100 ppm435 mg/m3US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)STEL125 ppm545 mg/m3US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)AN ESL570 μg/m3US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)		STEL	125 ppm	545	US. OSHA Table Z-1-A (29 CFR
mg/m3Exposure Limits, Table Z1A (06 2008)STEL125 ppm545mg/m3Exposure Limits, Table Z1A (06 2008)AN ESL570US. Texas. Effects Screening Levelsμg/m3μg/m3(Texas Commission on EnvironmentalQuality) (02 2013)02 2013)				mg/m3	1910.1000) (1989)
STEL125 ppm545 mg/m3US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)AN ESL570US. Texas. Effects Screening Levels µg/m3US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)		TWA	100 ppm	435	US. Tennessee. OELs. Occupational
mg/m3Exposure Limits, Table Z1A (06 2008)AN ESL570US. Texas. Effects Screening Levelsμg/m3(Texas Commission on Environmental Quality) (02 2013)				mg/m3	Exposure Limits, Table Z1A (06 2008)
AN ESL 570 US. Texas. Effects Screening Levels µg/m3 (Texas Commission on Environmental Quality) (02 2013)		STEL	125 ppm	545	US. Tennessee. OELs. Occupational
μg/m3 (Texas Commission on Environmental Quality) (02 2013)				mg/m3	Exposure Limits, Table Z1A (06 2008)
Quality) (02 2013)		AN ESL		570	US. Texas. Effects Screening Levels
				µg/m3	-
		ST ESL		740	US. Texas. Effects Screening Levels



			1.0	
			µg/m3	(Texas Commission on Environmental Quality) (02 2013)
	ST ESL		170 ppb	US. Texas. Effects Screening Levels
	51 252		1,0 bbo	(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	US. California Code of Regulations,
			mg/m3	Title 8, Section 5155. Airborne
				Contaminants (02 2012)
	STEL	125 ppm	545	US. California Code of Regulations,
			mg/m3	Title 8, Section 5155. Airborne
				Contaminants (02 2012)
Toluene	TWA	20 ppm		US. ACGIH Threshold Limit Values (03
				2013)
	REL	100 ppm	375	US. NIOSH: Pocket Guide to Chemical
			mg/m3	Hazards (2010)
	STEL	150 ppm	560	US. NIOSH: Pocket Guide to Chemical
			mg/m3	Hazards (2010)
	TWA	100 ppm	375	US. OSHA Table Z-1-A (29 CFR
			mg/m3	1910.1000) (1989)
	STEL	150 ppm	560	US. OSHA Table Z-1-A (29 CFR
			mg/m3	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.	500 ppm		US. OSHA Table Z-2 (29 CFR
	CONC			1910.1000) (02 2006)
	TWA	100 ppm	375	US. Tennessee. OELs. Occupational
			mg/m3	Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm	580	US. Tennessee. OELs. Occupational
			mg/m3	Exposure Limits, Table Z1A (06 2008)
	AN ESL		1,200	US. Texas. Effects Screening Levels
			µg/m3	(Texas Commission on Environmental
				Quality) (02 2013)
	ST ESL		3,470	US. Texas. Effects Screening Levels
			µg/m3	(Texas Commission on Environmental



			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	US. California Code of Regulations,
		mg/m3	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:	0.03 mg/l (Urine)	ACGIH BEL (03 2013)
Sampling time: End of		
shift.)		
Appropriate engineering	No data available.	
controls		
Individual protection meas	ures, such as personal protective equipme	nt
General information:	No data available.	
Eye/face protection:	No data available.	
Skin protection		
Hand protection	on:No data available.	
Other:	No data available.	
<b>Respiratory protection:</b>	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	on
Symptoms related to the physi	ical, 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 et	ffects
Acute toxicity (list all possib	le routes of exposure)
Oral	
Product:	ATEmix (), 20 237 837838 mg/kg

Product:	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 th	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 en Fish	vironment:
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):



Aquatic invertebrates	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
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 e	nvironment:
Fish	
Product:	No data available.
Aquatic invertebrates	
Product:	No data available.
<b>Toxicity to Aquatic Plants</b>	
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: Specified substance(s):	No data available.



Toluene	Green algae (Chlorella fusca), Bioconcentration factor (BCF): 380 (Not reported)	
	Green algae (Selenastrum capricornutum), Bioconcentration factor (BCF): 3,016 (Static)	
	Green algae (Chlorella fusca vacuolata), Bioconcentration factor (BCF): 380 (Static)	
	Shore crab (Hemigrapsus nudus), Bioconcentration factor (BCF): 31 (Flow through)	
	Ide, silver or golden orfe (Leuciscus idus), Bioconcentration factor (BCF): 94 (Not reported)	
Partition coefficient n-octand		
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),	No data available.	
hydrotreated light		
Heptane	No data available.	
Xylene	No data available.	
Ethylbenzene	No data available.	
Toluene	No data available.	
Known or predicted distribut	ion to environmental compartments	
Naphtha (petroleum),	No data available.	
hydrotreated light		

## 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:	11
Marine Pollutant:	Not regulated.
Special precautions for user:	-
15. Regulatory information	

## US federal regulationsUS. 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.

Chemical identity	RQ		
Acetone	5000 lbs	5.	
Heptane	100 lb:	S.	
Xylene	100 lb:	5.	
Ethylbenzene	1000 lb:	5.	
Toluene	1000 lb:	5.	
SARA 311/312 Hazardous	chemical		
Chemical identity	Threshold Plannin	g Quantity	
Acetone		500 lbs	
Heptane		500 lbs	
Xylene		500 lbs	
Ethylbenzene		500 lbs	
Toluene		500 lbs	
SARA 313 (TRI reporting)			
	Reporting		
	threshold for	Reporting threshold for	
Chemical identity	other users	manufacturing and processing	
Xylene	10000 lbs	25000 lbs.	
Ethylbenzene	10000 lbs	25000 lbs.	
lean Water Act Section 311	Hazardous Substances	(40 CFR 117.3)	
Xylene	Reportable quanti	Reportable quantity: 100 lbs.	
Ethylbenzene	Reportable quanti	Reportable quantity: 1000 lbs.	
Toluene	Reportable quanti	Reportable quantity: 1000 lbs.	
lean Air Act (CAA) Section 11	2(r) Accidental Release	Prevention (40 CFR 68.130):	
None present or none pre	sent in regulated quant	ities.	
tate 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.

EthylbenzeneCarcinogenic.TolueneDevelopmental toxin.TolueneFemale reproductive toxin.



US. New Jersey Worker and Community Right-to-Know Act				
Acetone	Listed			
Heptane	Listed			
Xylene	Listed			
Ethylbenzene	Listed <b>US.</b>			
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: Canada DSL Inventory List: EU EINECS List: EU ELINCS List: Japan (ENCS) List: EU No Longer Polymers List: China Inv. Existing Chemical Substances: Korea Existing Chemicals Inv. (KECI): Canada NDSL Inventory: Philippines PICCS: US TSCA Inventory: New Zealand Inventory of Chemicals: Japan ISHL Listing: Japan Pharmacopoeia Listing: Not in compliance with the inventory. Not in compliance with the inventory.

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

#### **HMIS Hazard ID**

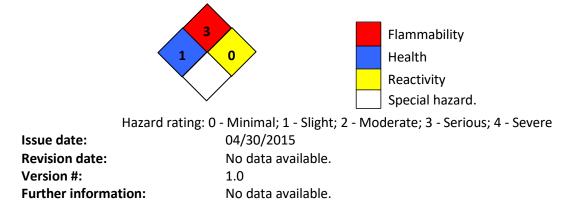


K - Hood, Gloves, Protective Suit & Boots

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

#### **NFPA Hazard ID**





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.