

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

SAFETY DATA SHEET

1. Identification

Product identifier: DuraMAX High VOC Non-Chlorinated Brake Parts Cleaner BW3

Other means of identification

Product number: 95076NCBCHV

SDS Number: 013

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

Carcinogenicity Category 1A Environmental hazards Acute hazards Category 3

to the aquatic environment

Label elements

Hazard symbol



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Signal word Danger

Hazard statement Highly flammable liquid and vapor.

May cause cancer. 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. 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 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.

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3. Composition/information on ingredients

Mixtures

iintai C3			
Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
Naphtha (petroleum),		64742-49-0	>=80 - <=90%
hydrotreated light			
Heptane		142-82-5	>=80 - <=90%
Ethanol		64-17-5	>=10 - <=15%
Isopropyl Alcohol		67-63-0	>=1 - <=5%
Methanol		67-56-1	>=0 - <=1%
Water		7732-18-5	>=0 - <=1%
Methyl Isobutyl Ketone		108-10-1	>=0 - <=1%

^{*} 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.

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Unsuitable extinguishing

No data available.

media:

Specific hazards arising from the

No data available.

chemical:

Special protective equipment and precautions for firefighters

Special fire fighting

No data available.

procedures:

Special protective equipment for No data available.

fire-fighters:

6. Accidental release measures

Personal precautions, protective

equipment and emergency

procedures:

No data available.

Methods and material for

All equipment used when handling the product must be grounded. containment and cleaning up: 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.

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8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Chemical identity	Туре	Exposure Limi	it values	Source
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 Chemica Hazards (2010)
	Ceil_Tim e	440 ppm	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemica 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 Environmenta Quality) (02 2013)
	AN ESL		350 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmenta Quality) (02 2013)
	ST ESL		670 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmenta Quality) (02 2013)
	AN ESL		85 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmenta Quality) (02 2013)
	TWA PEL	400 ppm	1,600 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne

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				Contaminants (02 2012)
	STEL	500 ppm	2,000	US. California Code of Regulations,
			mg/m3	Title 8, Section 5155. Airborne
				Contaminants (02 2012)
Ethanol	STEL	1,000 ppm		US. ACGIH Threshold Limit Values (03
				2013)
	REL	1,000 ppm	1,900	US. NIOSH: Pocket Guide to Chemical
			mg/m3	Hazards (2010)
	PEL	1,000 ppm	1,900	US. OSHA Table Z-1 Limits for Air
			mg/m3	Contaminants (29 CFR 1910.1000)
				(02 2006)
	TWA	1,000 ppm	1,900	US. OSHA Table Z-1-A (29 CFR
			mg/m3	1910.1000) (1989)
	TWA	1,000 ppm	1,900	US. Tennessee. OELs. Occupational
			mg/m3	Exposure Limits, Table Z1A (06 2008)
	ST ESL		1,910	US. Texas. Effects Screening Levels
			μg/m3	(Texas Commission on Environmental
				Quality) (02 2013)
	AN ESL		1,880	US. Texas. Effects Screening Levels
			μg/m3	(Texas Commission on Environmental
				Quality) (02 2013)
	AN ESL		1,000 ppb	US. Texas. Effects Screening Levels
				(Texas Commission on Environmental
				Quality) (02 2013)
	ST ESL		1,010 ppb	US. Texas. Effects Screening Levels
				(Texas Commission on Environmental
				Quality) (02 2013)
	TWA PEL	1,000 ppm	1,900	US. California Code of Regulations,
			mg/m3	Title 8, Section 5155. Airborne
				Contaminants (02 2012)
Isopropyl Alcohol	TWA	200 ppm		US. ACGIH Threshold Limit Values (03
				2013)
	STEL	400 ppm		US. ACGIH Threshold Limit Values (03
				2013)
	REL	400 ppm	980	US. NIOSH: Pocket Guide to Chemical
			mg/m3	Hazards (2010)
	STEL	500 ppm	1,225	US. NIOSH: Pocket Guide to Chemical
			mg/m3	Hazards (2010)
	PEL	400 ppm	980	US. OSHA Table Z-1 Limits for Air



			mg/m3	Contaminants (29 CFR 1910.1000)
				(02 2006)
	STEL	500 ppm	1,225	US. OSHA Table Z-1-A (29 CFR
			mg/m3	1910.1000) (1989)
	TWA	400 ppm	980	US. OSHA Table Z-1-A (29 CFR
			mg/m3	1910.1000) (1989)
	STEL	500 ppm	1,225	US. Tennessee. OELs. Occupational
			mg/m3	Exposure Limits, Table Z1A (06 2008)
	TWA	400 ppm	980	US. Tennessee. OELs. Occupational
			mg/m3	Exposure Limits, Table Z1A (06 2008)
	ST ESL		4,920	US. Texas. Effects Screening Levels
			μg/m3	(Texas Commission on Environmental
				Quality) (02 2013)
	AN ESL		492	US. Texas. Effects Screening Levels
			μg/m3	(Texas Commission on Environmental
			, -	Quality) (02 2013)
	ST ESL		2,000 ppb	US. Texas. Effects Screening Levels
			,	(Texas Commission on Environmental
				Quality) (02 2013)
	AN ESL		200 ppb	US. Texas. Effects Screening Levels
				(Texas Commission on Environmental
				Quality) (02 2013)
	TWA PEL	400 ppm	980	US. California Code of Regulations,
			mg/m3	Title 8, Section 5155. Airborne
			O.	Contaminants (02 2012)
	STEL	500 ppm	1,225	US. California Code of Regulations,
		• • •	mg/m3	Title 8, Section 5155. Airborne
			O/	Contaminants (02 2012)
Methanol	TWA	200 ppm		US. ACGIH Threshold Limit Values (03
		- 1-1-		2013)
	STEL	250 ppm		US. ACGIH Threshold Limit Values (03
		- 1-1-		2013)
	REL	200 ppm	260	US. NIOSH: Pocket Guide to Chemical
		- 1-1-	mg/m3	Hazards (2010)
	STEL	250 ppm	325	US. NIOSH: Pocket Guide to Chemical
		1-1	mg/m3	Hazards (2010)
	PEL	200 ppm	260	US. OSHA Table Z-1 Limits for Air
		_00 pp.11	mg/m3	Contaminants (29 CFR 1910.1000)
			1116/1113	(02 2006)
				(02 2000)



	TWA	200 ppm	260	US. OSHA Table Z-1-A (29 CFR
			mg/m3	1910.1000) (1989)
	STEL	250 ppm	325	US. OSHA Table Z-1-A (29 CFR
			mg/m3	1910.1000) (1989)
	TWA	200 ppm	260	US. Tennessee. OELs. Occupational
		• • •	mg/m3	Exposure Limits, Table Z1A (06 2008)
	STEL	250 ppm	325	US. Tennessee. OELs. Occupational
			mg/m3	Exposure Limits, Table Z1A (06 2008)
	ST ESL		2,620	US. Texas. Effects Screening Levels
			μg/m3	(Texas Commission on Environmental
				Quality) (02 2013)
	ST ESL		2,000 ppb	US. Texas. Effects Screening Levels
				(Texas Commission on Environmental
				Quality) (02 2013)
	AN ESL		262	US. Texas. Effects Screening Levels
			μg/m3	(Texas Commission on Environmental
				Quality) (02 2013)
	AN ESL		200 ppb	US. Texas. Effects Screening Levels
				(Texas Commission on Environmental
				Quality) (02 2013)
	Ceiling	1,000 ppm		US. California Code of Regulations,
				Title 8, Section 5155. Airborne
				Contaminants (02 2012)
	TWA PEL	200 ppm	260	US. California Code of Regulations,
			mg/m3	Title 8, Section 5155. Airborne
				Contaminants (02 2012)
	STEL	250 ppm	325	US. California Code of Regulations,
			mg/m3	Title 8, Section 5155. Airborne
				Contaminants (02 2012)
Methyl Isobutyl Ketone	TWA	20 ppm		US. ACGIH Threshold Limit Values (03
				2013)
	STEL	75 ppm		US. ACGIH Threshold Limit Values (03
				2013)
	REL	50 ppm	205	US. NIOSH: Pocket Guide to Chemical
			mg/m3	Hazards (2010)
	STEL	75 ppm	300	US. NIOSH: Pocket Guide to Chemical
			mg/m3	Hazards (2010)
	PEL	100 ppm	410	US. OSHA Table Z-1 Limits for Air
			mg/m3	Contaminants (29 CFR 1910.1000)



1			
			(02 2006)
TWA	50 ppm	205	US. OSHA Table Z-1-A (29 CFR
		mg/m3	1910.1000) (1989)
STEL	75 ppm	300	US. OSHA Table Z-1-A (29 CFR
		mg/m3	1910.1000) (1989)
TWA	50 ppm	205	US. Tennessee. OELs. Occupational
		mg/m3	Exposure Limits, Table Z1A (06 2008)
STEL	75 ppm	300	US. Tennessee. OELs. Occupational
		mg/m3	Exposure Limits, Table Z1A (06 2008)
AN ESL		82 μg/m3	US. Texas. Effects Screening Levels
			(Texas Commission on Environmental
			Quality) (02 2013)
ST ESL		700	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		20 ppb	US. Texas. Effects Screening Levels
			(Texas Commission on Environmental
			Quality) (02 2013)
TWA PEL	50 ppm	205	US. California Code of Regulations,
		mg/m3	Title 8, Section 5155. Airborne
 			Contaminants (02 2012)
STEL	75 ppm	300	US. California Code of Regulations,
		mg/m3	Title 8, Section 5155. Airborne
			Contaminants (02 2012)

Biological limit values

biological illilit values		
Chemical identity	Exposure Limit values	Source
Isopropyl Alcohol	40 mg/l (Urine)	ACGIH BEL (03 2013)
(acetone: Sampling		
time: End of shift at		
end of work week.)		
Methanol (methanol:	15 mg/l (Urine)	ACGIH BEL (03 2013)
Sampling time: End of		
shift.)		

Appropriate engineering

controls



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Individual protection measures, such as personal protective equipment

General information: No data available. **Eye/face protection:** No data available.

Skin protection

Hand protection:
Other:
No data available.

9. Physical and chemical properties

Physical state: Liquid

Form:
Color:
No data available.
PH:
No data available.
No data available.
No data available.

Initial boiling point and boiling range: 93 - 99 °C

Flash Point:

-9 °C Evaporation

No data available.

Flammability (solid, gas):

No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%):

Flammability limit - lower (%):

Explosive limit - upper (%):

Explosive limit - lower (%):

No data available.

Solubility(ies)

Solubility in water:

Solubility (other):

No data available.

No data available.

Partition coefficient (n-octanol/water):

No data available.

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Auto-ignition temperature:

No data available.

No data available.

Viscosity:

No data available.

10. Stability and reactivity

Reactivity: No data available.

Chemical stability: No data available.

Possibility of hazardous No data available.

reactions:

Conditions to avoid:No data available.Incompatible materials:No data available.Hazardous decompositionNo data available.

products:

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 (): 14,886.525509 mg/kg

Dermal

Product: ATEmix (): 2,222.22222 mg/kg

Inhalation

Product: No data available.

Specified substance(s):

Naphtha (petroleum), 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,): > 5,260 mg/m3 (, Yes) 1 (reliable without restriction) LC 50 (Rat,): > 5,260 mg/m3 (, Yes) 1 (reliable without restriction) LC 50 (Rat,): > 5,260 mg/m3 (, Yes) 1 (reliable without restriction) LC 50 (Rat,): > 5,260 mg/m3 (, Yes) 1 (reliable without restriction) LC 50 (Rat,): > 5,260 mg/m3 () $> 5,260 \text{$

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

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Revision date: 06/01/2018 Specified substance(s):



Ethanol

LC 50 (Mouse, 4 h): 39 mg/l LC 50 (Cat,): 85.41 mg/l 2 (reliable with

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restrictions) LC 50 (Rat,): 130.7 mg/l (, No) 2 (reliable with restrictions) LC 50 (Mouse,): > 38 mg/l 4 (not assignable) LC 50 (Rat,): 54.8 mg/l (, No) 2

(reliable with restrictions)

Specified substance(s):

Methanol LC 50 (Rat, 4 h): 64,000 mg/l LC 50 (Cat, 6 h): 43.68 mg/l LC 50 (Cat, 4.5 h):

85.41 mg/I LC 50 (Rat, 6 h): 87.5 mg/I LC 50 (Rat,): > 115.9 mg/I (, No) 2

(reliable with restrictions)

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):Methyl Isobutyl Ketone

Vapor was irritating to the eyes at 200 ppm.

Respiratory or skin sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Ethanol Overall evaluation: 1. Carcinogenic to humans. Overall evaluation: 1.

Carcinogenic to humans.

Isopropyl Alcohol Overall evaluation: 1. Carcinogenic to humans. Overall evaluation: 3. Not

classifiable as to carcinogenicity to humans.

Methyl Isobutyl

Overall evaluation: 2B. Possibly carcinogenic to humans.

Ketone

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

Ethanol Known To Be Human Carcinogen.

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

No carcinogenic components identified

Germ cell mutagenicity

In vitro

Product: No data available.

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DuraMAX High VOC Non-Chlorinated Brake Parts Cleaner BW3 Revision date: 06/01/2018 Product: No data available.

Reproductive toxicity



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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):

Ethanol LC 50 (Fathead minnow (Pimephales promelas), 1 h): > 18,000 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 (Rainbow trout, donaldson trout (Oncorhynchus mykiss), 4 d): 42 mg/l Mortality LC 50

(Zebra danio (Danio rerio), 4 h): > 100 mg/l Mortality

Methanol LC 50 (Bluegill (Lepomis macrochirus), 24 h): 17,400 - 21,000 mg/l Mortality

LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 24 h): 19,800 - 20,700 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 24 h): 29,000 - 30,500 mg/l Mortality LC 50 (Medaka, high-eyes (Oryzias latipes), 24 h): > 10,000 mg/l Mortality LC 50 (Medaka, high-eyes (Oryzias

latipes), 48 h): 1,400 mg/l Mortality

Methyl Isobutyl Ketone LC 50 (Carp (Leuciscus idus melanotus), 48 h): 672 mg/l Mortality LC 50

(Carp (Leuciscus idus melanotus), 48 h): 744 mg/l Mortality

Aquatic invertebrates

Product: No data available.

Specified substance(s):

Ethanol 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 obtusa), 24 h): 12,300 - 13,400 mg/l Intoxication EC 50 (Water flea

(Daphnia magna), 24 h): > 1.58 mg/l Intoxication

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Isopropyl Alcohol LC 50 (Brine shrimp (Artemia salina), 24 h): > 10,000 mg/l Mortality LC 50

(Water flea (Daphnia magna), 24 h): > 10,000 mg/l Mortality LC 50

(Common shrimp, sand shrimp (Crangon crangon), 48 h): 900 - 1,950 mg/l Mortality LC 50 (Common shrimp, sand shrimp (Crangon crangon), 96 h):

750 - 1,650 mg/l Mortality

Methanol EC 50 (Water flea (Daphnia obtusa), 24 h): 22,800 - 24,400 mg/l Intoxication

EC 50 (Water flea (Daphnia magna), 24 h): > 10,000 mg/l Intoxication EC 50 (Water flea (Daphnia obtusa), 48 h): 21,100 - 23,400 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 48 h): 20,450 - 29,350 mg/l Intoxication EC 50

(Water flea (Daphnia magna), 48 h): > 10,000 mg/l Intoxication

Methyl Isobutyl Ketone EC 50 (Water flea (Daphnia magna), 24 h): 3,682 mg/l Intoxication LC 50

(Brine shrimp (Artemia salina), 24 h): 1,230 mg/l Mortality LC 50 (Water flea

(Daphnia magna), 24 h): 4,280 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):

Methanol Green algae (Chlorella fusca vacuolata), Bioconcentration factor (BCF):

28,400 (Static)

Partition coefficient n-octanol / water (log Kow)
Product:
No data available.

Specified substance(s):

Heptane Log Kow: 4.66

Ethanol Log Kow: -0.31

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Isopropyl Alcohol Log Kow: 0.05

Methanol Log Kow: -0.77

Methyl Isobutyl Ketone Log Kow: 1.31 **Mobility in soil:** No data available.

Known or predicted distribution to environmental compartments

Naphtha (petroleum), No data available.

hydrotreated light

Heptane No data available.
Ethanol No data available.
Propan-2-ol No data available.
Methanol No data available.
Water No data available.
4-Methylpentan-2-one No data available.

Known or predicted distribution 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.(Heptane, Ethanol)

Transport hazard class(es)

Class: 3
Label(s): 3
Packing group: II

Marine Pollutant: Not regulated.

Special precautions for user: –

15. Regulatory information

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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):

Heptane Reportable quantity: 100 lbs.
Ethanol Reportable quantity: 100 lbs.
Methanol Reportable quantity: 5000 lbs.
Methyl Isobutyl Ketone Reportable quantity: 5000 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

Chemical identity	RQ
Heptane	100 lbs.
Ethanol	100 lbs.
Isopropyl Alcohol	
Methanol	5000 lbs.
Methyl Isobutyl Ketone	5000 lbs.

SARA 311/312 Hazardous chemical

Chemical identity	Threshold Planning Quantity
Heptane	500 lbs
Ethanol	500 lbs
Isopropyl Alcohol	500 lbs
Methanol	500 lbs
Methyl Isobutyl Ketone	500 lbs
Methanol	500 lbs

SARA 313 (TRI reporting)

Reporting	
threshold for	Reporting threshold for

	tili esilola loi	reporting threshold for
Chemical identity	other users	manufacturing and processing

Methanol	10000 lbs	25000 lbs.
Methyl Isobutyl Ketone	10000 lbs	25000 lbs.

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

None present or none present in regulated quantities.

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

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Ethanol Carcinogenic. Ethanol Carcinogenic.

Ethanol Developmental toxin.

Methanol Developmental toxin.

Methyl Isobutyl Ketone Carcinogenic.

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

Heptane Listed
Ethanol Listed

US. Massachusetts RTK - Substance List
Heptane Listed
Ethanol Listed

US. Pennsylvania RTK - Hazardous Substances

Heptane Listed Ethanol Listed

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

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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. Not in compliance with the inventory. China Inv. Existing Chemical Substances: 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. Not in compliance with the inventory. New Zealand Inventory of Chemicals: 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

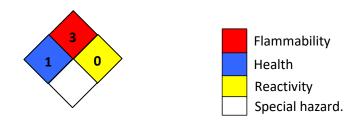
HMIS Hazard ID



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

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