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## 29 CFR 1910.1200 (OSHA HazCom 2012)

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

## **Product identifier**

Trade name

: NAPA® MAC'S LOW VOC NON-CHLOR BRAKE PARTS CLEANER

## Recommended use of the chemical and restrictions on use

Details of the supplier of the safety data	Emergency telephone number
sheet	1-800-ASHLAND (1-800-274-5263)
Ashland	
P.O. Box 2219	Regulatory Information Number
Columbus, OH 43216	1-800-325-3751
United States of America	
	Product Information
	614-790-3333
EHS Customer Requests@ashland.com	

## **SECTION 2. HAZARDS IDENTIFICATION**

GHS Classification	
Flammable aerosols	: Category 1
Eye irritation	: Category 2A
Specific target organ systemic toxicity - single exposure	: Category 1 (Central nervous system, Eyes)
Specific target organ systemic toxicity - single exposure	: Category 3 (Central nervous system)
Specific target organ systemic toxicity - repeated exposure	: Category 2 (Auditory system)
GHS Label element	
Hazard pictograms	
Signal Word	· Danger

Signal Word

: Danger

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Hazard Statements :	Extremely flammable aerosol. Causes serious eye irritation. May cause drowsiness or dizziness. Causes damage to organs (Central nervous system, Eyes). May cause damage to organs (Auditory system) through prolonged or repeated exposure.
Precautionary Statements :	<ul> <li>Prevention:</li> <li>Keep away from heat/sparks/open flames/hot surfaces No smoking.</li> <li>Do not spray on an open flame or other ignition source.</li> <li>Pressurized container: Do not pierce or burn, even after use.</li> <li>Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.</li> <li>Wash skin thoroughly after handling.</li> <li>Do not eat, drink or smoke when using this product.</li> <li>Use only outdoors or in a well-ventilated area.</li> <li>Wear eye protection/ face protection.</li> <li>Response:</li> <li>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.</li> <li>IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>IF exposed: Call a POISON CENTER or doctor/ physician.</li> <li>If eye irritation persists: Get medical advice/ attention.</li> <li>Store in a well-ventilated place. Keep container tightly closed.</li> <li>Store locked up.</li> <li>Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.</li> <li>Dispose of contents/ container to an approved waste disposal plant.</li> </ul>
Other hazards	

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	: Mixture
Chemical nature	: Aspiration hazard
Chemical nature	: Static Accumulator
Chemical nature	: Defatter

## Hazardous components

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Chemical Name	CAS-No.	Classification	Concentration (%)
ACETONE	67-64-1	Flam. Liq. 2; H225	86.21
		Eye Irrit. 2A; H319	
		STOT SE 3; H336	
CARBON DIOXIDE	124-38-9	Press. Gas Liquefied gas; H280	5.86
XYLENE	1330-20-7	Flam. Liq. 3; H226	5.12
		Acute Tox. 4; H312	
		Skin Irrit. 2; H315	
		Eye Irrit. 2A; H319	
		STOT SE 3; H335, H336	
		Asp. Tox. 1; H304	
METHANOL	67-56-1	Flam. Liq. 2; H225	2.79
		Acute Tox. 3; H301	
		Acute Tox. 3; H331	
		Acute Tox. 3; H311	
		STOT SE 1; H370	
ETHYL BENZENE	100-41-4	Flam. Liq. 2; H225	1.53
		Acute Tox. 4; H332	
		Skin Irrit. 2; H315	
		Eye Irrit. 2A; H319	
		STOT RE 2; H373	
		Asp. Tox. 1; H304	

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## **SECTION 4. FIRST AID MEASURES**

General advice	:	Move out of dangerous area. Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	:	Move to fresh air. Keep patient warm and at rest. If unconscious place in recovery position and seek medical advice. Consult a physician after significant exposure.
In case of skin contact	:	Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use.
In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye.
If swallowed	:	Obtain medical attention. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	This material (or a component) has produced hyperglycemia and ketosis following substantial ingestion. Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This product contains methanol which can cause intoxication and central nervous system depression. Methanol is metabolized to formic acid and formaldehyde. These metabolites can cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used to prevent methanol metabolism. Ethanol administration is indicated in symptomatic patients or at blood methanol concentrations above 20 ug/dl. Methanol is effectively removed by hemodialysis.

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	Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: redness of the skin stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) discomfort in the chest effects on memory muscle cramps pain in the abdomen and lower back Blurred vision Shortness of breath confusion irregular heartbeat cyanosis (causes blue coloring of the skin and nails from lack of oxygen) visual impairment (including blindness) Causes serious eye irritation. May cause drowsiness or dizziness. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure.
Notes to physician :	No hazards which require special first aid measures.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	<ul> <li>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</li> <li>Water spray</li> <li>Foam</li> <li>Alcohol-resistant foam</li> <li>Carbon dioxide (CO2)</li> <li>Dry chemical</li> </ul>
Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	<ul> <li>Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.</li> <li>Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.</li> <li>Do not allow run-off from fire fighting to enter drains or water courses.</li> </ul>
Hazardous combustion products	: carbon dioxide and carbon monoxide Hydrocarbons Aldehydes
Specific extinguishing	:

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methods

		Product is compatible with standard fire-fighting agents.
Further information	:	Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	<ul> <li>Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.</li> </ul>
Environmental precautions	<ul> <li>Prevent product from entering drains.</li> <li>Prevent further leakage or spillage if safe to do so.</li> <li>If the product contaminates rivers and lakes or drains inform respective authorities.</li> </ul>
Other information	: Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling	<ul> <li>Open drum carefully as content may be under pressure. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke.</li> <li>Container hazardous when empty.</li> <li>Take precautionary measures against static discharges. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes.</li> <li>Smoking, eating and drinking should be prohibited in the application area.</li> <li>For personal protection see section 8.</li> <li>Dispose of rinse water in accordance with local and national regulations.</li> <li>Container may be opened only under exhaust ventilation hood.</li> </ul>
Conditions for safe storage	: BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force

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or throw into fire even after use. Do not spray on flames or red-hot objects. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions.

No smoking.

Electrical installations / working materials must comply with the technological safety standards.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	ControlBasisparameters /Permissibleconcentration	
ACETONE	67-64-1	TWA	500 ppm	ACGIH
		STEL	750 ppm	ACGIH
		REL	250 ppm	NIOSH/GUID
			590 mg/m3	E
		PEL	1,000 ppm	OSHA_TRA
			2,400 mg/m3	NS
		TWA	250 ppm	ACGIHLIS_P
		STEL	500 ppm	ACGIHLIS_P
		TWA	750 ppm 1,800 mg/m3	Z1A
		STEL	1,000 ppm 2,400 mg/m3	Z1A
CARBON DIOXIDE	124-38-9	TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		REL	5,000 ppm	NIOSH/GUID
			9,000 mg/m3	E
		STEL	30,000 ppm 54,000 mg/m3	NIOSH/GUID E
		PEL	5,000 ppm 9,000 mg/m3	OSHA_TRA NS
XYLENE	1330-20-7	TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		PEL	100 ppm 435 mg/m3	OSHA_TRA NS
		REL	100 ppm 435 mg/m3	NIOSH/GUID E
		STEL	150 ppm 655 mg/m3	NIOSH/GUID E
METHANOL	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		REL	200 ppm	NIOSH/GUID
			260 mg/m3	E

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		STEL	250 ppm 325 mg/m3	NIOSH/GUID E
		PEL	200 ppm 260 mg/m3	OSHA_TRA NS
		TWA	200 ppm 260 mg/m3	TN OEL
		STEL	250 ppm 325 mg/m3	TN OEL
ETHYL BENZENE	100-41-4	TWA	20 ppm	ACGIH
		REL	100 ppm 435 mg/m3	NIOSH/GUID E
		STEL	125 ppm 545 mg/m3	NIOSH/GUID E
		PEL	100 ppm 435 mg/m3	OSHA_TRA NS

## **Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Samplin g time	Permissible concentratio n	Basis
ACETONE	67-64-1	acetone	Urine	Samplin g time: End of shift.	50 mg/l	
Remarks:	Nonspecific	;				
XYLENE	1330-20-7	Methylhippu ric acids	Creatinine in urine	Samplin g time: End of shift.	1.5 g/g	
METHANOL	67-56-1	methanol	Urine	Samplin g time: End of shift.	15 mg/l	
Remarks:	Background, Nonspecific					
ETHYL BENZENE	100-41-4	Sum of mandelic acid and phenylglyox ylic acid	Creatinine in urine	Samplin g time: End of shift.	0.15 g/g	ACGIH BEI
Remarks:	Nonspecific		•		•	

Engineering measures

: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

## Personal protective equipment

Respiratory protection: In the case of vapour formation use a respirator with an<br/>approved filter.<br/>In the case of dust or aerosol formation use respirator with an<br/>approved filter.

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	A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air- purifying respirators is limited. Use a positive pressure, air- supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.
Hand protection	
Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	: Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.
Skin and body protection	<ul> <li>Wear as appropriate: impervious clothing Safety shoes</li> <li>Flame-resistant clothing</li> <li>Choose body protection according to the amount and concentration of the dangerous substance at the work place.</li> <li>Wear resistant gloves (consult your safety equipment supplier).</li> </ul>
Hygiene measures	<ul> <li>Wash hands before breaks and at the end of workday.</li> <li>When using do not eat or drink.</li> <li>When using do not smoke.</li> </ul>

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: aerosol
Odour	: No data available
Odour Threshold	: No data available
рН	: No data available
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: -4 °F / -20 °C
Evaporation rate	Value for Component : No data available
Flammability (solid, gas)	:

No data available

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Flammability (liquids)	:	Static Accumulating liquid
Flammability (liquids) Upper explosion limit	:	36 %(V) GLP: Calculated Explosive Limit
Lower explosion limit	:	1 %(V) GLP: Calculated Explosive Limit
Vapour pressure	:	> 9,999 hPa (21 °C) Value for Component
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	0.756 g/cm3 (21.1 °C)
Solubility(ies) Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Thermal decomposition	:	No data available
Viscosity		No data available
Viscosity, dynamic	•	
Viscosity, dynamic Viscosity, kinematic	:	No data available

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Vapours may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
	excessive heat
Incompatible materials	: Acids

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alkalis aluminum Amines Ammonia halogens Lead peroxides Reducing agents sodium strong bases Strong oxidizing agents Zinc Peroxides

Hazardous decomposition products

carbon dioxide and carbon monoxide formaldehyde-like Hydrocarbons

## SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation Skin contact Eye Contact Ingestion
Acute toxicity Not classified based on availal <u>Components:</u> ACETONE:	ble	information.
Acute oral toxicity	:	LD 50 (Rat, female): 5,800 mg/kg
Acute inhalation toxicity	:	LC 50 (Rat, female): 76 mg/l Exposure time: 4 h
Acute dermal toxicity	:	LD 50 (Rabbit): > 7,426 mg/kg
XYLENE: Acute oral toxicity	:	LD 50 (Rat): 3,523 - 8,600 mg/kg
Acute inhalation toxicity	:	LC 50 (Rat): 6700 ppm Exposure time: 4 h Test atmosphere: vapour
Acute dermal toxicity	:	LD 50 (Rabbit): 1,700 mg/kg
METHANOL: Acute oral toxicity	:	LD L0 (Human): 300 mg/kg Assessment: The component/mixture is classified as acute oral toxicity, category 3.

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Acute inhalation toxicity	LC 50 (Rat): 64000 ppm Exposure time: 4 h	
	Assessment: The component/mixture is classified as acute inhalation toxicity, category 3. Remarks: Slightly toxic by inhalation	
Acute dermal toxicity :	LD 50 (Rabbit): 12,800 mg/kg Assessment: The component/mixture is classified as acute dermal toxicity, category 3.	
ETHYL BENZENE:		
Acute oral toxicity	LD 50 (Rat): ca. 3,500 mg/kg	
Acute inhalation toxicity	LC50 (Rat): 4000 ppm Exposure time: 4 h Test atmosphere: vapour	
Acute dermal toxicity	LD 50 (Rabbit): 17,800 mg/kg	

#### Skin corrosion/irritation

Not classified based on available information. <u>Product:</u> Remarks: May cause skin irritation in susceptible persons.

Result: Repeated exposure may cause skin dryness or cracking.

## Components:

ACETONE: Result: Mildly irritating to skin

Result: Repeated exposure may cause skin dryness or cracking.

CARBON DIOXIDE: Result: Not irritating to skin

XYLENE: Result: Irritating to skin

METHANOL: Species: Rabbit Result: Not irritating to skin

ETHYL BENZENE: Result: Irritating to skin

#### Serious eye damage/eye irritation

Causes serious eye irritation.

## Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin., Causes serious eye irritation.

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## **Components:**

ACETONE: Result: Irritating to eyes

CARBON DIOXIDE: Result: Not irritating to eyes

XYLENE: Result: Irritating to eyes

METHANOL: Species: Rabbit Result: Mildly irritating to eyes

ETHYL BENZENE: Result: Irritating to eyes Remarks: Exposure to a concentration of 5000 ppm causes intolerable irritation of the eyes

#### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information. <u>Components:</u> METHANOL: Test Type: Maximisation Test (GPMT) Species: Guinea pig Assessment: Does not cause skin sensitisation. Method: OECD Test Guideline 406

#### Germ cell mutagenicity

Not classified based on available information. **Carcinogenicity** Not classified based on available information. **Reproductive toxicity** Not classified based on available information. **STOT - single exposure** May cause drowsiness or dizziness. Causes damage to organs (Central nervous system, Eyes). **Components:** ACETONE: Exposure routes: Inhalation Target Organs: Nervous system Assessment: May cause drowsiness or dizziness.

#### XYLENE:

Assessment: May cause respiratory irritation., May cause drowsiness or dizziness.

#### METHANOL:

Target Organs: Central nervous system, Eyes Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.

#### STOT - repeated exposure

May cause damage to organs (Auditory system) through prolonged or repeated exposure.

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## Components:

ETHYL BENZENE: Target Organs: Auditory system Assessment: May cause damage to organs through prolonged or repeated exposure.

## Aspiration toxicity

Not classified based on available information. **Product:** No aspiration toxicity classification

## Components:

ACETONE: May be harmful if swallowed and enters airways.

XYLENE: May be fatal if swallowed and enters airways.

ETHYL BENZENE: May be fatal if swallowed and enters airways.

#### **Further information**

#### Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

## Components:

METHANOL: Remarks: Central nervous system

ETHYL BENZENE: Remarks: Central nervous system

Carcinogenicity: IARC	Group 2B: Possibly carcino	genic to humans
	ETHYL BENZENE	100-41-4
OSHA	No component of this produ equal to 0.1% is identified a carcinogen by OSHA.	uct present at levels greater than or as a carcinogen or potential
NTP		uct present at levels greater than or as a known or anticipated carcinogen

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## SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	
<u>Components:</u> ACETONE:	
Toxicity to fish	<ul> <li>LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss)): 4,740 - 6,330 mg/l Exposure time: 96 h Test Type: static test</li> </ul>
	LC 50 (Fathead minnow (Pimephales promelas)): 8,733 - 9,482 mg/l Exposure time: 96 h Test Type: flow-through test
Toxicity to algae	: NOEC (Microcystis aeruginosa): 530 mg/l Exposure time: 8 d Test Type: static test
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	<ul> <li>NOEC (Daphnia magna (Water flea)): 2,112 mg/l Exposure time: 28 d Test Type: flow-through test</li> </ul>
XYLENE:	
Toxicity to fish	<ul> <li>LC 50 (Fathead minnow (Pimephales promelas)): 23.53 - 29.97 mg/l</li> <li>Exposure time: 96 h</li> <li>Test Type: static test</li> </ul>
Toxicity to daphnia and other aquatic invertebrates	<ul> <li>LC 50 (Water flea (Daphnia magna)): &gt; 100 - &lt; 1,000 mg/l Exposure time: 24 h Test Type: static test</li> </ul>
METHANOL:	
Toxicity to fish	<ul> <li>LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss)): 18,000 - 20,000 mg/l Exposure time: 96 h Test Type: static test</li> </ul>
Toxicity to daphnia and other aquatic invertebrates	<ul> <li>EC 50 (Water flea (Daphnia magna)): &gt; 10,000 mg/l</li> <li>Exposure time: 48 h</li> <li>Test Type: static test</li> </ul>
ETHYL BENZENE:	
Toxicity to fish	<ul> <li>LC 50 (Fathead minnow (Pimephales promelas)): 9.1 - 15.6 mg/l</li> <li>Exposure time: 96 h</li> <li>Test Type: static test</li> </ul>

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	LC 50 (Rainbov mykiss)): 4.2 m Exposure time: Test Type: Ren	96 h
Toxicity to daphnia and other aquatic invertebrates	: EC 50 (Water fl Exposure time: Test Type: stati	
Toxicity to algae	: (Pseudokirchne End point: EC 5 Exposure time: Test Type: Grov	96 h
Persistence and degradabilit	у	
Components: ACETONE:		
Biodegradability	: Result: Readily Biodegradation Exposure time: Method: OECD	: 90.9 %
XYLENE:		
Physico-chemical removability	: Remarks: The p	product evaporates readily.
METHANOL:		
Biodegradability	: Biodegradation Exposure time: Method: OECD	
ETHYL BENZENE:		
Biodegradability	: Result: Readily Biodegradation Exposure time:	: 70 - 80 %
Bioaccumulative potential		
Components:		
ACETONE: Partition coefficient: n- octanol/water	: log Pow: -0.24	
XYLENE: Partition coefficient: n- octanol/water	: log Pow: 3.16	
METHANOL: Bioaccumulation		algae (Chlorella fusca vacuolata) n factor (BCF): 28,400

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	Exposure time: 24 h
	Concentration: 0.05 mg/l Method: Static
:	log Pow: -0.77

Partition coefficient: n-	: log Pow: -0.7
octanol/water	

#### ETHYL BENZENE: Partition coefficient: n- : log Pow: 3.15 octanol/water

# Mobility in soil

**Components:** No data available

# Other adverse effects

No data available

## Product:

Additional ecological	: No data available
information	

## Components:

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods	
General advice	<ul> <li>Do not dispose of waste into sewer.</li> <li>Do not contaminate ponds, waterways or ditches with chemical or used container.</li> <li>Send to a licensed waste management company.</li> </ul>
	Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated packaging	<ul> <li>Empty remaining contents.</li> <li>Empty containers should be taken to an approved waste handling site for recycling or disposal.</li> <li>Do not re-use empty containers.</li> <li>Do not burn, or use a cutting torch on, the empty drum.</li> </ul>

## **SECTION 14. TRANSPORT INFORMATION**

## International transport regulations

## REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT /
					LTD. QTY.

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## U.S. DOT - ROAD

ORM-D, CONSUMER	ORM	
COMMODITY		

## U.S. DOT - RAIL

ORM-D, CONSUMER COMMODITY	ORM
------------------------------	-----

## **U.S. DOT - INLAND WATERWAYS**

ORM-D, CONSUMER COMMODITY	ORM	

#### **TRANSPORT CANADA - ROAD**

		NADA NOAD	
UN	1950	AEROSOLS	2.1

#### **TRANSPORT CANADA - RAIL**

UN	1950	AEROSOLS	2.1

## TRANSPORT CANADA - INLAND WATERWAYS

UN	1950	AEROSOLS	2.1	

## INTERNATIONAL MARITIME DANGEROUS GOODS

1950	AEROSOLS	2.1	
	1950		

## **INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

UN	1950	Aerosols, flammable	2.1

## INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN	1950	Aerosols, flammable	2.1	

2

## MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND

#### WASTES UN

1950 AEROSOLES

## \*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant

no

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Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

## SECTION 15. REGULATORY INFORMATION

## EPCRA - Emergency Planning and Community Right-to-Know Act

## **CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
XYLENE	1330-20-7	100	1636.205966
SARA 311/312 Hazards	Fire Hazard Acute Health Hazar Chronic Health Haz		
SARA 313 Component(s)	XYLENE	1330-20-	7 5.12 %
	METHANOL	67-56-1	2.79 %
	ETHYL BENZENE	100-41-4	1.53 %
Pennsylvania Right To Know ACETONE		67-64-1	70.00 - 90.00 %
CARBON DIOX	IDE	124-38-9	5.00 - 10.00 %
XYLENE		1330-20-	7 5.00 - 10.00 %
METHANOL		67-56-1	1.00 - 5.00 %
ETHYL BENZE	NE	100-41-4	1.00 - 5.00 %
New Jersey Right To Know ACETONE		67-64-1	70.00 - 90.00 %
CARBON DIOX	IDE	124-38-9	5.00 - 10.00 %
XYLENE		1330-20-	7 5.00 - 10.00 %
METHANOL		67-56-1	1.00 - 5.00 %

California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

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	ETHYL BENZENE	100-41-4	
	BENZENE	71-43-2	
		ontains a chemical known to the birth defects or other reproductive	
	METHANOL	67-56-1	
	TOLUENE 108-88-3		
	BENZENE	71-43-2	
The components of this product are reported in the following inventories:TSCA: On TSCA Inventory			
DSL	All components of this product are on the Canadian DSL.		
AUSTR	On the inventory, or in compliance with the inventory		
ENCS	On the inventory, or in compliance with the inventory		
KECL	On the inventory, or in compliance with the inventory		
PICCS	On the inventory, or in compliance with the inventory		
IECSC	On the inventory, or in compliance with the inventory		

## Inventories

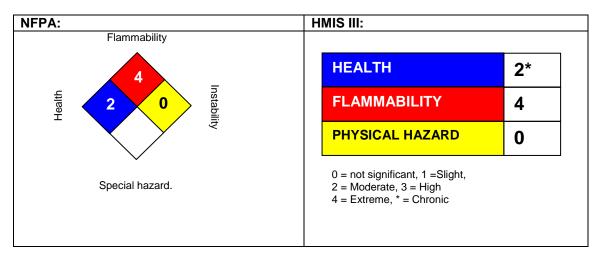
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TSCA (USA)

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## SECTION 16. OTHER INFORMATION

## Further information

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# NFPA Flammable and Combustible Liquids Classification

Not applicableNot applicable

## Full text of H-Statements referred to under sections 2 and 3.

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.

Sources of key data used to compile the Safety Data Sheet Ashland internal data including own and sponsored test reports The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the

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information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act

DOT : Department of Transportation

FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC : Hazardous Materials Information Review Commission

HMIS : Hazardous Materials Identification System

NFPA : National Fire Protection Association

NIOSH : National Institute for Occupational Safety and Health

OSHA : Occupational Safety and Health Administration

PMRA : Health Canada Pest Management Regulatory Agency

RTK : Right to Know

WHMIS : Workplace Hazardous Materials Information System