

Version 2.2	Revision Date: 03/29/2023		DS Number: 00000001098	Date of last issue: 01/05/2023 Date of first issue: 08/16/2017
SECTIO	ON 1. IDENTIFICATION			
Pro	oduct name	:	CYCLO MAX44	FS CLNR 6/16OZ
Pro	oduct code	:	C44	
	nufacturer or supplier's mpany name of supplier			IC
	dress	:	Dallas TX 75225	
En	nail Address	:	EHS@niteoprodu	icts.com
Te	lephone	:	1-844-696-4836	
En be	nergency telephone num-	:	1-800-424-9300 /	1-703-741-5970
Re	commended use of the o	cher	nical and restriction	ons on use
Re	commended use	:	GAS TREATMEN	IT
Re	strictions on use	:	Use only outdoor	s or in a well-ventilated area.

## SECTION 2. HAZARDS IDENTIFICATION

## GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	:	Category 3
Acute toxicity (Inhalation)	:	Category 4
Skin irritation	:	Category 2
Carcinogenicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2 (Liver, thymus, Bone marrow)
Aspiration hazard	:	Category 1

## **GHS** label elements



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Haza	ard pictograms		
Signa	al word	: Danger	
Haza	ard statements	May be fatal Causes skin Harmful if inh May cause d Suspected of May cause d	
Prec	autionary statements	Do not handl understood. Keep away fi smoking. Keep contain Ground/bonc Use explosio Use only nor Take precau Do not breatl Wash skin th Use only out	al instructions before use. e until all safety precautions have been read and rom heat/ sparks/ open flames/ hot surfaces. No her tightly closed. I container and receiving equipment. n-proof electrical/ ventilating/ lighting equipment. n-sparking tools. tionary measures against static discharge. he dust/ fume/ gas/ mist/ vapours/ spray. oroughly after handling. doors or in a well-ventilated area. tive gloves/ protective clothing/ eye protection/ face
		IF ON SKIN clothing. Rins IF INHALED: for breathing well. IF exposed o Do NOT indu If skin irritatio Take off cont	on occurs: Get medical advice/ attention. aminated clothing and wash before reuse. e: Use dry sand, dry chemical or alcohol-resistant
			ell-ventilated place. Keep container tightly closed. ell-ventilated place. Keep cool. up.
		Disposal:	ontents/ container to an approved waste disposal



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## Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

## Hazardous components

CAS-No.	Concentration (% w/w)
68476-34-6	>= 50 - < 100
8008-20-6	>= 0 - < 50
928771-01-1	>= 1 - < 5
91-20-3	>= 1 - < 5
100-41-4	>= 0.1 - < 1
	68476-34-6 8008-20-6 928771-01-1 91-20-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

General advice	:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.
If inhaled	:	Move to fresh air. IF INHALED: Call a POISON CENTER/ doctor if you feel un- well. If unconscious, place in recovery position and seek medical advice. Keep patient warm and at rest. If symptoms persist, call a physician.
In case of skin contact	:	If on clothes, remove clothes. Remove contaminated clothing. If irritation develops, get med- ical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.
In case of eye contact	:	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
If swallowed	:	Obtain medical attention. Do NOT induce vomiting. 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	:	May be fatal if swallowed and enters airways.



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and e delay	effects, both acute and ed	Suspected of c May cause dar exposure. Inhalation or in component) ma of acute intrava fever, hemoglo sometimes dist	ed. wsiness or dizziness. ausing cancer. nage to organs through prolonged or repeated gestion of high levels of this material (or a ay cause a hemolytic reaction. Complications ascular hemolysis include anemia, leukocytosis, binuria, jaundice, renal insufficiency, and curbances in liver function. ble, baby oil on the skin or ingested oil, facilitate

## **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	:	Water spray Carbon dioxide (CO2) Dry chemical Alcohol-resistant foam
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod- ucts	:	Carbon oxides
Specific extinguishing meth- ods	:	Product is compatible with standard fire-fighting agents.
Further information	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. 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, protec- : tive equipment and emer- gency procedures	Remove all sources of ignition. Ensure adequate ventilation. Avoid breathing dust. Beware of vapours accumulating to form explosive concentra- tions. Vapours can accumulate in low areas. Evacuate personnel to safe areas. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
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I	Environmental prec	autions :	Prevent product fr Do not flush into s	akage or spillage if safe to do so. om entering drains. urface water or sanitary sewer system. aminates rivers and lakes or drains inform ties.
-	Methods and mater containment and cl		sorbent material, ( miculite) and place	and then collect with non-combustible ab- e.g. sand, earth, diatomaceous earth, ver- e in container for disposal according to local ons (see section 13).

## SECTION 7. HANDLING AND STORAGE

Advice on protection against : fire and explosion	Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precau- tions may be necessary to dissipate static electricity for non- conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protec- tion Association document NFPA 77. Keep away from open flames, hot surfaces and sources of ignition. Use only explosion-proof equipment. Do not spray on a naked flame or any incandescent material.
Advice on safe handling :	Open drum carefully as content may be under pressure. Avoid formation of aerosol. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Dispose of rinse water in accordance with local and national regulations. Container hazardous when empty. Smoking, eating and drinking should be prohibited in the ap- plication area. For personal protection see section 8.
Conditions for safe storage :	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. No smoking.
Further information on stor- : age stability	No decomposition if stored and applied as directed.



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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Diesel fuel no. 2	68476-34-6	TWA (Inhal- able fraction and vapor)	100 mg/m3 (total hydrocar- bons)	ACGIH
Kerosene	8008-20-6	TWA	100 mg/m3	NIOSH REL
		TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	200 mg/m3 (total hydrocarbon vapor)	ACGIH
		TWA	400 ppm 1,600 mg/m3	OSHA P0
Naphthalene	91-20-3	TWA	10 ppm	ACGIH
		TWA	10 ppm 50 mg/m3	NIOSH REL
		ST	15 ppm 75 mg/m3	NIOSH REL
		TWA	10 ppm 50 mg/m3	OSHA Z-1
		TWA	10 ppm 50 mg/m3	OSHA P0
		STEL	15 ppm 75 mg/m3	OSHA P0
Ethylbenzene	100-41-4	TWA	20 ppm	ACGIH
		TWA	100 ppm 435 mg/m3	NIOSH REL
		ST	125 ppm 545 mg/m3	NIOSH REL
		TWA	100 ppm 435 mg/m3	OSHA Z-1
		TWA	100 ppm 435 mg/m3	OSHA P0
		STEL	125 ppm 545 mg/m3	OSHA P0

## Hazardous components without workplace control parameters

Components	CAS-No.
Alkanes, C10-C20 branched	928771-01-1
and linear	

## **Biological occupational exposure limits**

Components	CAS-No.	Control	Biological	Sam-	Permissible	Basis
		parameters	specimen	pling	concentra-	
				time	tion	
Ethylbenzene	100-41-4	Sum of mandelic acid and phenyl gly-	Urine	End of shift (As soon as possible	0.15 g/g creatinine	ACGIH BEI



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			oxylic acid	after exposure ceases)			
Engi	neering 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.				
Pers	onal protective equip	ment					
Resp	iratory protection	:	In the case of vap proved filter.	oour formation use a respirat	or with an ap-		
Hand	l protection						
R	emarks	:	er). The suitability cussed with the p	oves (consult your safety eq v for a specific workplace sh roducers of the protective gl tears, pinholes, or signs of v	ould be dis- oves. Discard		
Eye ç	protection	:		er normal conditions of use. les if material could be miste			
Skin	and body protection	:		ng			
Hygie	ene measures	:	Handle in accorda practice. When using do no When using do no		giene and safety		

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	red
Odour	:	hydrocarbon-like
Odour Threshold	:	No data available
рН	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	154 - 366 °C
Flash point	:	Value for Component 58 °C Method: closed cup



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	Evapor	ation rate	:	No data available	9
	Flamm	ability (solid, gas)	:	No data available	9
	Self-ig	nition	:	260 °C	
		explosion limit / Upper bility limit	:	No data available	9
		explosion limit / Lower bility limit	:	No data available	9
	Vapour	pressure	•	5 mmHg (37.78 °	°C)
	Relativ	e vapour density	:	No data available	9
	Density	/	:	0.8428 g/cm3	
	Solubili Wat	ity(ies) er solubility	:	No data available	9
	Partitio octanol	n coefficient: n- /water	:	No data available	9
	Auto-ig	nition temperature	:	No data available	9
	Decom	position temperature	:	No data available	9
	Viscosi Visc	ty cosity, dynamic	:	No data available	9
	Visc	cosity, kinematic	:	< 20 mm2/s	
	Molecu	lar weight	:	No data available	9
	VOC %	By Weight	:	10 %	

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reac- tions	:	No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong oxidizing agents Strong bases Strong acids
Hazardous decomposition	:	Carbon oxides



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þ	product	ts									
SECT	SECTION 11. TOXICOLOGICAL INFORMATION										
l E	Inform Inhalati Eye col Skin co Ingestio	ntact	s of	exposure							
4	Acute	toxicity									
ŀ	Harmfu	ıl if inhaled.									
<u>F</u>	Produc	<u>st:</u>									
ŀ	Acute c	oral toxicity	:	Acute toxicity esti Method: Calculati	mate: > 5,000 mg/kg on method						
ŀ	Acute i	nhalation toxicity	:	Acute toxicity esti Exposure time: 4 Test atmosphere: Method: Calculati	h : dust/mist						
<u>(</u>	Compo	onents:									
[	Diesel	fuel no. 2:									
ļ	Acute c	oral toxicity	:	LD50 (Rat): > 5,0 Method: OECD T							
ŀ	Acute i	nhalation toxicity	:	Exposure time: 4 Test atmosphere:							
ŀ	Acute c	dermal toxicity	:	LD50 (Rabbit): > Assessment: No dermal toxicity tes	adverse effect has been observed in acute						
ł	Kerose	ene:									
ļ	Acute c	oral toxicity	:	LD50 (Rat): > 5,0 Method: OECD T	00 mg/kg est Guideline 420						
ŀ	Acute i	nhalation toxicity	:		h vapour est Guideline 403 adverse effect has been observed in acute						
ļ	Acute c	dermal toxicity	:		est Guideline 402 adverse effect has been observed in acute						



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Alkan	nes, C10-C20 branch	ed and I	inear:			
Acute	inhalation toxicity		ssessment: 7 hort term inha	The component/mixture is moderately toxic afte alation.		
Naph	thalene:					
Acute	oral toxicity			male): 533 mg/kg D Test Guideline 401		
Acute inhalation toxicity		E T A	C50 (Rat): > xposure time est atmosphe ssessment: N halation toxid	e: 4 h ere: vapour No adverse effect has been observed in acute		
Acute dermal toxicity		A	LD50 (Rat, male and female): > 2,500 mg/kg Assessment: No adverse effect has been observed in ac dermal toxicity tests.			
Ethyl	benzene:					
Acute	oral toxicity	: L	D50 (Rat): ca	a. 3,500 mg/kg		
Acute	inhalation toxicity	E	C50 (Rat): 40 xposure time est atmosphe	2:4 h		
Acute	e dermal toxicity	: L	D50 (Rabbit)	: 17,800 mg/kg		
	corrosion/irritation es skin irritation.					
<u>Prod</u> u	uct:					
Rema	arks: May cause skin	rritation a	and/or derma	titis.		
Comp	oonents:					
Diese	el fuel no. 2:					
Metho	es: Rabbit od: OECD Test Guide It: Irritating to skin.	line 404				
Keros	sene:					
Resul	t: Irritating to skin.					
Naph	thalene:					
Resul	t: Possibly irritating to	o skin				
	benzene:					
Ethyl						



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## Serious eye damage/eye irritation

Not classified based on available information.

## Product:

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

### **Components:**

## Diesel fuel no. 2:

Species: Rabbit Result: Possibly irritating to eyes Method: OECD Test Guideline 405

### Kerosene:

Result: Possibly irritating to eyes

Naphthalene: Result: Possibly irritating to eyes

Ethylbenzene: Result: Irritating to eyes.

## Respiratory or skin sensitisation

Skin sensitisation Not classified based on available information.

## **Respiratory sensitisation**

Not classified based on available information.

### **Components:**

### Diesel fuel no. 2:

Species: Guinea pig Assessment: Did not cause sensitisation on laboratory animals. Method: OECD Test Guideline 406

## Germ cell mutagenicity

Not classified based on available information.

Components:

## Diesel fuel no. 2:

Genotoxicity in vitro	:	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: Mutagenicity (Salmonella typhimurium - reverse mu- tation assay) Result: positive
Genotoxicity in vivo	:	Test Type: In vivo micronucleus test Species: Mouse



## **CYCLO® MAX44 TOTAL FUEL SYSTEM CLEANER**

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				Result: negative					
		ogenicity cted of causing cancer.							
	Compo	onents:							
	<b>Diesel fuel no. 2:</b> Carcinogenicity - Assess- ment		:	: Limited evidence of carcinogenicity in animal studies					
	Naphtl	nalene:							
	Carcino ment	ogenicity - Assess-	:	Limited evidence animals.	of carcino	genicity in inhalation studies with			
	Ethylb	enzene:							
	Carcino ment	ogenicity - Assess-	:	Not classifiable as	s a human	carcinogen.			
	IARC		G	roup 2B: Possibly o	carcinogen	ic to humans			
			N	aphthalene		91-20-3			
			E	thylbenzene		100-41-4			
	OSHA					present at levels greater than or to fregulated carcinogens.			
	NTP		R	easonably anticipa	ted to be a	a human carcinogen			
			N	aphthalene		91-20-3			

## **Reproductive toxicity**

Not classified based on available information.

## STOT - single exposure

May cause drowsiness or dizziness.

### **Components:**

## Kerosene:

Assessment: May cause drowsiness or dizziness.

## STOT - repeated exposure

May cause damage to organs (Liver, thymus, Bone marrow) through prolonged or repeated exposure.

## **Components:**

## Diesel fuel no. 2:

Target Organs: Liver Assessment: May cause damage to organs through prolonged or repeated exposure.

## SAFETY DATA SHEET



## CYCLO® MAX44 TOTAL FUEL SYSTEM CLEANER

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Target Organs: thymus

Assessment: May cause damage to organs through prolonged or repeated exposure.

Target Organs: Bone marrow Assessment: May cause damage to organs through prolonged or repeated exposure.

### Ethylbenzene:

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

## Aspiration toxicity

May be fatal if swallowed and enters airways.

## Components:

**Diesel fuel no. 2:** May be fatal if swallowed and enters airways.

**Kerosene:** May be fatal if swallowed and enters airways.

## Alkanes, C10-C20 branched and linear:

May be fatal if swallowed and enters airways.

### Ethylbenzene:

May be fatal if swallowed and enters airways.

## **Further information**

### Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

## **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity		
Additional ecological	:	An environmental hazard cannot be excluded in the event of
information		unprofessional handling or disposal.
		Toxic to aquatic life with long lasting effects.

## SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product.



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Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

## **SECTION 14. TRANSPORT INFORMATION**

Dangerous goods descriptions (if indicated below) 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.

### International Regulations

IATA-DGR		
UN/ID No.	:	UN 1268
Proper shipping name	:	Petroleum distillates, n.o.s.
Class	:	3
Packing group	:	III
Labels	:	3
Packing instruction (cargo	:	366
aircraft)		
Packing instruction	:	355
(passenger aircraft)		
IMDG-Code		
UN number	:	UN 1268
Proper shipping name	:	PETROLEUM DISTILLATES, N.O.S.
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	no
-		

## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## National Regulations

<b>49 CFR</b> UN/ID/NA number Proper shipping name	:	UN 1268 Petroleum distillates, n.o.s.
Class Packing group Labels ERG Code Marine pollutant	:	3 III 3 128 no

## **SECTION 15. REGULATORY INFORMATION**

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

### **CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Xylene	1330-20-7	100	100 (F003)



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Ethylb	enzene	100-41-4	100	100 (F003)
Benze	ene	71-43-2	10	10 (D018)
Napht	halene	91-20-3	100	4091

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

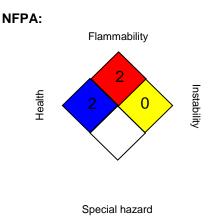
SARA 311/312 Hazards	Flammable (gases, aerosols, liquids, or solids) Acute toxicity (any route of exposure) Skin corrosion or irritation Carcinogenicity Specific target organ toxicity (single or repeated exposure) Aspiration hazard		
SARA 313 :	The following components are subject to reporting levels es- tablished by SARA Title III, Section 313:		
	Naphthalene	91-20-3	>= 1 - < 5 %
	Ethylbenzene	100-41-4	>= 0.1 - < 1 %

### California Prop. 65

WARNING: This product can expose you to chemicals including Naphthalene, Ethylbenzene, Benzene, which is/are known to the State of California to cause cancer, and Benzene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

## **SECTION 16. OTHER INFORMATION**







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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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