

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date: 09/15/2022

Version: 1.0

SECTION 1: Identification of the s	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixtures
Trade name	: COMBUSTION CHAMBER CLEANER 12 FL. OZ.
Product code	: X202
1.2. Relevant identified uses of the second	ubstance or mixture and uses advised against
Use of the substance/mixture	: Automotive fuel system cleaner to be applied using specified vacuum intake tool. Not recommended for use via gasoline fuel tank addition.
1.3. Details of the supplier of the safe	ety data sheet
Petra Automotive Products, Inc. 11085 Regency Green Drive Cypress, TX 77429 T 713-856-5700	
1.4. Emergency telephone number	
Emergency number	: CHEMTREC 24 Hour 1-800-424-9300, 1-703-527-3887 (International)
SECTION 2: Hazards identification	1
2.1. Classification of the substance of	r mixture
Classification (GHS-US)	
Flam. Liq. 3 H226	
Skin Irrit. 2 H315 Repr. 2 H361	
GHS-US labeling Hazard pictograms (GHS-US)	
Signal word (GHS-US)	GHS02 GHS07 GHS08 : Warning
Hazard statements (GHS-US)	: H226 - Flammable liquid and vapor
	H220 - Flammable liquid and vapor H315 - Causes skin irritation H361 - Suspected of damaging fertility or the unborn child
Precautionary statements (GHS-US)	 P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting/ equipment P243 - Take precautionary measures against static discharge P264 - Wash thoroughly after handling P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - IF ON SKIN: Wash with plenty of soap and water P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P308+P313 - IF exposed or concerned: Get medical advice/attention P322+P318 - If skin irritation occurs: Get medical advice/attention P362 - Take off contaminated clothing P370+P378 - In case of fire: Use for extinction P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to
2.3. Other hazards	
No additional information available	
2.4. Unknown acute toxicity (GHS US	
No data available	

SECTION 3: Composition/information on ingredients

- 3.1. Substances
- Not applicable

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%	Classification (GHS-US)
ylene, mixture of isomers	(CAS No) 1330-20-7	34.8 - 58	Flam. Liq. 3, H226 Skin Irrit. 2, H315
-methoxy-2-propanol	(CAS No) 107-98-2	>= 19.9	Flam. Liq. 3, H226
distillates, hydrotreated light	(CAS No) 64742-47-8	10 - 30	Asp. Tox. 1, H304
Stoddard solvent	(CAS No) 8052-41-3	<1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
toluene	(CAS No) 108-88-3	< 0.58	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
2-methoxypropanol	(CAS No) 1589-47-5	< 0.1	Flam. Liq. 3, H226

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see on this label).
First-aid measures after eye contact	 Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/injuries	: Suspected of damaging fertility or the unborn child.
Symptoms/injuries after skin contact	: Causes skin irritation.
4.3. Indication of any immediate medica	al attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the su	ibstance or mixture
Fire hazard	: Flammable liquid and vapor.
5.3. Advice for firefighters	
Firefighting instructions	 Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release mea	sures
	upment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
C <i>1</i> 1	
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Noti	fy authorities if liquid enters sewers or public waters.
6.3. Methods and material for containm	ent and cleaning up
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
6.4. Reference to other sections	

See Heading 8. Exposure controls and personal protection.

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 7: Handling a	ind storage	
7.1. Precautions for safe		
Precautions for safe handling	when leavin Take precau special instri understood.	
Hygiene measures	: Wash tho	roughly after handling.
7.2. Conditions for safe	storage, including any incompa	atibilities
Technical measures : Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/ equipment.		
Storage conditions	: Keep only in tightly close	n the original container in a cool, well ventilated place away from : Keep container d.
Incompatible products	-	es. strong acids.
Incompatible materials	: Sources of i	gnition. Direct sunlight.
7.3. Specific end use(s)		
No additional information available	able	
SECTION 8: Exposure	controls/personal protect	ion
8.1. Control parameters		
toluene (108-88-3)		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
xylene, mixture of isomers	(1330-20-7)	
USA ACGIH	ACGIH TWA (ppm)	100 ppm
USA ACGIH ACGIH STEL (ppm) 15		150 ppm
Otestalend a sharest (0050 44	0)	·
Stoddard solvent (8052-41-3)		
USA ACGIH ACGIH TWA (ppm) 100 ppm		
1-methoxy-2-propanol (107	-98-2)	
USA ACGIH	ACGIH TWA (ppm)	100 ppm
USA ACGIH	ACGIH STEL (ppm)	150 ppm
8.2. Exposure controls		
Personal protective equipment	: Avoid all un	necessary exposure.
Hand protection	: Wear protect	
Eye protection	•	oggles or safety glasses.
Skin and body protection	: Wear suitab	le protective clothing.
Respiratory protection	: Wear approv	ved mask.
Other information	: When using	, do not eat, drink or smoke.
SECTION 9: Physical a	nd chemical properties	
	ic physical and chemical proper	ties
Physical state	: Liquid	
Color	: Colorless.	
Odor	: characteristi	ic.
Odor threshold	: No data ava	ilable
рН	: No data ava	ilable
Relative evaporation rate (buty	l acetate=1) : No data ava	liable
Melting point	: No data ava	ilable
Freezing point	: No data ava	ilable
Boiling point	: 57.8 °C	
	: 25 °C	
Self ignition temperature	: No data ava	
	: No data ava	
Flammability (solid, gas)	: No data ava	
Vapor pressure	: No data ava	

Relative vapor density at 20 °C

: No data available

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. **Other information**

No additional information available

SECTI	ON 10: Stability and reactivity	
10.1.	Reactivity	
No addit	ional information available	
10.2.	Chemical stability	
Not esta	blished. Flammable liquid and vapor.	
10.3.	Possibility of hazardous reactions	
Not esta	blished.	
10.4.	Conditions to avoid	
Direct sunlight. Extremely high or low temperatures Heat.		
10.5.	Incompatible materials	
strong a	cids. Strong bases.	
10.6.	Hazardous decomposition products	
fume. Carbon monoxide. Carbon dioxide.		
SECT	ON 11: Toxicological information	

11.1. Information on toxicological effects

Acute toxicity

: Not classified

toluene (108-88-3)		
LD50 oral rat	> 2000 mg/kg (5580 mg/kg bodyweight; Rat; Rat; Experimental value)	
LD50 dermal rabbit	12223 mg/kg (>5000 mg/kg bodyweight; Rabbit; Rabbit; Experimental value; Other,>5000 mg/kg bodyweight; Rabbit; Rabbit; Experimental value; Other)	
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (Rat)	
xylene, mixture of isomers (1330-20-	7)	
LD50 oral rat	3523 - 8600 mg/kg (3523 mg/kg bodyweight; >4000 mg/kg bodyweight; Rat; Rat; Rat; Experimental value; Experimental value)	
LD50 dermal rabbit	> 4200 mg/kg (Rabbit; Experimental value, Rabbit; Experimental value)	
LC50 inhalation rat (mg/l)	29 mg/l/4h (27.57 mg/l/4h; Rat; Rat; Experimental value; Experimental value,27.57 mg/l/4h; Rat; Rat; Rat; Experimental value; Experimental value)	
1-methoxy-2-propanol (107-98-2)		
LD50 oral rat	6600 mg/kg (4016 mg/kg bodyweight; Rat; Rat; Other; Experimental value,4016 mg/kg bodyweight; Rat; Rat; Other; Experimental value)	
LD50 dermal rat	> 2000 mg/kg body weight (Rat; Experimental value; Other,Rat; Experimental value; Other,Rat; Experimental value; Other)	
LD50 dermal rabbit	13000 mg/kg (Rabbit)	
LC50 inhalation rat (mg/l)	55 mg/l/4h (Rat)	
LC50 inhalation rat (ppm)	15000 ppm/4h (Rat)	
2-methoxypropanol (1589-47-5)		
LD50 oral rat	5710 mg/kg (Rat)	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classifiedBased on available data, the classification criteria are not met	
Carcinogenicity	: Not classified	

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

toluene (108-88-3)	
IARC group	3
xylene, mixture of isomers (1330-20-7)	
IARC group	3
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classifiedBased on available data, the classification criteria are not met
Aspiration hazard	: Not classifiedBased on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after skin contact	: Causes skin irritation.

SECTION 12: Ecological information

12.1. Toxicity

toluene (108-88-3)	
LC50 fish 1	24 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 1	84 mg/l (24 h; Daphnia magna; LOCOMOTOR EFFECT)
LC50 fish 2	13 mg/l (96 h; Lepomis macrochirus)
EC50 Daphnia 2	11.5 - 19.6 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	> 400 mg/l (168 h; Scenedesmus quadricauda; TOXICITY TEST)
Threshold limit algae 2	105 mg/l (192 h; Microcystis aeruginosa)
xylene, mixture of isomers (1330-20-7	7)
LC50 fish 1	13.5 mg/l (96 h; Lepomis macrochirus; LETHAL)
EC50 Daphnia 1	150 mg/l (24 h; Daphnia magna)
LC50 fish 2	3.77 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	7.4 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	72 mg/l (336 h; Selenastrum capricornutum; GROWTH)
Threshold limit algae 2	10 mg/l (72 h; Skeletonema costatum)
1-methoxy-2-propanol (107-98-2)	
LC50 fish 1	4600 - 10000 mg/l (96 h; Leuciscus idus; NOMINAL CONCENTRATION)
EC50 Daphnia 1	23300 mg/l (48 h; Daphnia magna; NOMINAL CONCENTRATION)
LC50 fish 2	20800 mg/l (96 h; Pimephales promelas)
Threshold limit algae 1	> 1000 mg/l (168 h; Pseudokirchneriella subcapitata; GROWTH RATE)
2.2. Persistence and degradabilit	V

COMBUSTION CHAMBER CLEANER 12 FL. OZ.

COMBOSTION CHAMBER CELENER 12 FE. 02.		
Persistence and degradability	Not established.	
toluene (108-88-3)		
Persistence and degradability	Readily biodegradable in water. Not readily biodegradable in water. Biodegradable in the soil. Low potential for absorption in soil.	
Biochemical oxygen demand (BOD)	2.15 g O ² /g substance	
Chemical oxygen demand (COD)	2.52 g O ² /g substance	
ThOD	3.13 g O ² /g substance	
BOD (% of ThOD)	69 % ThOD	
xylene, mixture of isomers (1330-20-7)		
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photolysis in the air.	
Stoddard solvent (8052-41-3)		
Persistence and degradability	Not established.	
1-methoxy-2-propanol (107-98-2)		
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available.	
ThOD	1.95 g O ² /g substance	
2-methoxypropanol (1589-47-5)		
Persistence and degradability	Biodegradability in water: no data available.	

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.3. Bioaccumulative potential			
COMBUSTION CHAMBER CLEANER 12 FL. OZ.			
Bioaccumulative potential	Not established.		
toluene (108-88-3)			
BCF fish 1	13.2 (Anguilla japonica)		
BCF fish 2	90 (72 h; Leuciscus idus)		
BCF other aquatic organisms 1	380 (24 h; Chlorella sp.; FRESH WEIGHT)		
BCF other aquatic organisms 2	4.2 (Mytilus edulis; FRESH WEIGHT)		
Log Pow	2.73 (Experimental value; Other; 20 °C, Experimental value; Other; 20 °C, Experimental value; Other; 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
xylene, mixture of isomers (1330-20-7)			
BCF fish 1	15 8 weeks; Salmo gairdneri (Oncorhynchus mykiss)		
BCF fish 2	7 - 26 (8 weeks; Oncorhynchus mykiss)		
Log Pow	3.2 (20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
Stoddard solvent (8052-41-3)			
Bioaccumulative potential	Not established.		
1-methoxy-2-propanol (107-98-2)			
BCF fish 1	1 (Pimephales promelas)		
Log Pow	-0.46 (< 1; Estimated value; Experimental value; 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
2-methoxypropanol (1589-47-5)			
Log Pow	-0.49 (Estimated value)		
Bioaccumulative potential	Bioaccumulation: not applicable.		
12.4. Mobility in soil			
toluene (108-88-3)			
Surface tension	0.03 N/m (20 °C)		
xylene, mixture of isomers (1330-20-7)			
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.		
12.5. Other adverse effects			

Other information

: Avoid release to the environment.

SECTION 13: Disposal considerations 13.1. Waste treatment methods

Waste disposal recommendations	:	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to
Ecology - waste materials	:	Avoid release to the environment.

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 14: Transport information

In accordance with ADR	/ RID / ADNR / IMDG / ICAO / IATA
US DOT (ground):	UN1993, Flammable liquids, n.o.s (Xylene, Petroleum Distillates), 3, III, Limited Quantity
ICAO/IATA (air):	UN1993, Flammable liquids, n.o.s (Xylene, Petroleum Distillates), 3, III, Limited Quantity
IMO/IMDG (water):	UN1993, Flammable liquids, n.o.s (Xylene, Petroleum Distillates), 3, III, Limited Quantity
Special Provisions:	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal

14.2. UN proper shipping name				
DOT Proper Shipping Name	: Flammable liquids, n.o.s (Xylene, Petroleum Distillates)			
Department of Transportation (DOT) Hazard Classes	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120			
Hazard labels (DOT)	: 3 - Flammable liquids			
DOT Symbols	: G - Identifies PSN requiring a technical name			
Packing group (DOT)	: III - Minor Danger			
DOT Special Provisions (49 CFR 172.102)	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. IB3 - Authorized IBCS: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal			
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150			
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203			
DOT Packaging Bulk (49 CFR 173.xxx)	: 242			
14.3. Additional information				
Other information	: No supplementary information available.			
Overland transport No additional information available				
Transport by sea DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.			

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Air transport

DOT Quantity Limitations Passenger aircraft/rail : 60 L (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 : 220 L CFR 175.75)

	SECTION 15: Regulatory information					
15.1. US Federal regulations						
	Stoddard solvent (8052-41-3)					
	SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Fire hazard				

Immediate (acute) health hazard

15.2. International regulations

CANADA

Stoddard solvent (8052-41-3)			
WHMIS Classification	Class B Division 3 - Combustible Liquid		
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects		

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

SECT	TON 16: Other information		
Indicati	on of changes	: Revision - See : *.	
Other i	nformation	: None.	
Full tex	t of H-phrases: see section 16:		
	Acute Tox. 4 (Dermal)		Acute toxicity (dermal) Category 4
	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4
	Asp. Tox. 1		Aspiration hazard Category 1
	Flam. Liq. 2		Flammable liquids Category 2
	Flam. Liq. 3		Flammable liquids Category 3
	Repr. 2		Reproductive toxicity Category 2
	Skin Irrit. 2		skin corrosion/irritation Category 2
	STOT RE 2		Specific target organ toxicity (repeated exposure) Category 2
	STOT SE 3		Specific target organ toxicity (single exposure) Category 3
	H225		Highly flammable liquid and vapor
	H226		Flammable liquid and vapor
	H302		Harmful if swallowed
	H304		May be fatal if swallowed and enters airways
	H312		Harmful in contact with skin
	H315		Causes skin irritation
	H336		May cause drowsiness or dizziness
	H361		Suspected of damaging fertility or the unborn child
	H373		May cause damage to organs through prolonged or repeated
			exposure

SDS US (GHS HazCom 2012) - Technical Chemical

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product