

Aroclor 1242 (500 ppm) Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 4: Identification of the outp	stance/mixture and of the company/undertaking				
	stance/mixture and of the company/undertaking				
1.1. Product identifier	NC-down				
Product form	: Mixture				
Product name	: Aroclor 1242 (500 ppm)				
Product code : AL0-130509					
1.2. Relevant identified uses of the substa	ance or mixture and uses advised against				
1.3. Details of the supplier of the safety d	ata sheet				
Phenova 6390 Joyce Dr. Suite 100 Golden, CO 80403 - United States T 1-866-942-2978 - F 1-866-283-0269 info@phenova.com - www.phenova.com					
1.4. Emergency telephone number					
Emergency number	: ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585				
SECTION 2: Hazards identification					
2.1. Classification of the substance or mi	xture				
GHS-US classification					
Flam. Liq. 2	H225				
Full text of H statements : see section 16					
2.2. Label elements					
GHS-US labeling					
Hazard pictograms (GHS-US)	: GHS02				
Signal word (GHS-US)	: Danger				
Hazard statements (GHS-US)	: H225 - Highly flammable liquid and vapour				
Precautionary statements (GHS-US)	 P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P233 - Keep container tightly closed. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P370+P378 - In case of fire: Use media other than water to extinguish. P403+P235 - Store in a well-ventilated place. Keep cool. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation 				
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					

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
2,2,4-trimethylpentane (Component)	(CAS-No.) 540-84-1	99.95	Flam. Liq. 2, H225

Aroclor 1242 (500 ppm) Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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	: Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and ef	fects, both acute and delayed
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
4.3. Indication of any immediate medi	ical attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	\$
5.1. Extinguishing media	
Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the	substance or mixture
No additional information available	
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release me	easures
	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
	otify authorities if liquid enters sewers or public waters.
6.3. Methods and material for contain	
Methods for cleaning up	: Take up in absorbent material. Collect spillage.
6.4. Reference to other sections	
See Heading 8. Exposure controls and persor	nal protection.
SECTION 7: Handling and storage	·
7.1. Precautions for safe handling	
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
Hygiene measures	: Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, inclu	iding any incompatibilities
Storage conditions	: Keep container closed when not in use. Keep container tightly closed and in a well-ventilated place. Keep away from any flames or sparking source.
Incompatible materials	: Direct sunlight.

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

7.3. Specific end use(s)					
No additional information available					
SECTION 8: Exposure c	controls/personal protection				
8.1. Control parameters					
2,2,4-trimethylpentane (540-	84-1)				
USA ACGIH	ACGIH TWA (ppm)	300 ppm (Octane, all isomers; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)			
8.2. Exposure controls					
Appropriate engineering control	ls : Either local exhaust or general roo	om ventilation is usually required.			
Personal protective equipment	: Avoid all unnecessary exposure. C glasses.	Gloves. Protective clothing. Protective goggles. Safety			
Hand protection	: Wear chemically resistant protecti penetration.	ve gloves. Wear suitable gloves resistant to chemical			
Eye protection	: Chemical goggles or safety glasse	es. Safety glasses.			
Skin and body protection	: Wear chemically protective gloves contact.	, lab coat or apron to prevent prolonged or repeated skin			
Respiratory protection	: Wear appropriate mask.				
Other information	: Do not eat, drink or smoke during	use.			
SECTION 9: Physical ar	nd chemical properties				
9.1. Information on basic	c physical and chemical properties				
Physical state	: Liquid				
Color	: Colorless.				
Odor	· characteristic				

COIOI	. Coloness.
Odor	: characteristic.
Odor threshold	: No data available
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
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
Explosion limits	: No data available
9.2. Other information	

No additional information available

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

according to Federal Register / Vol. 77, No. 58 / Monday			
SECTION 10: Stability and reactivity			
10.1. Reactivity			
No additional information available			
10.2. Chemical stability			
Not established.			
10.3. Possibility of hazardous reactions			
Not established.			
10.4. Conditions to avoid			
Direct sunlight. Extremely high or low temperatu	res.		
10.5. Incompatible materials			
No additional information available			
10.6. Hazardous decomposition products			
No additional information available			
SECTION 11: Toxicological informat	ion		
11.1. Information on toxicological effects			
Acute toxicity	: Not classified		
2,2,4-trimethylpentane (540-84-1)			
LD50 oral rat	> 5000 mg/kg body weight (Rat; OECD 401: Acute Oral Toxicity; Experimental value)		
LD50 dermal rabbit	> 2000 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity)		
LC50 inhalation rat (mg/l)	> 33.52 mg/l/4h (Rat; Experimental value)		
Skin corrosion/irritation	: Not classified		
Serious eye damage/irritation	: Not classified		
Respiratory or skin sensitization	: Not classified		
Germ cell mutagenicity	: Not classified		
Based on available data, the classification criteria are not met			

: Not classified
: Not classified Based on available data, the classification criteria are not met
: Not classified
: Not classified Based on available data, the classification criteria are not met
: Not classified Based on available data, the classification criteria are not met
: Based on available data, the classification criteria are not met.

SECTION	12: Eco	logical i	information

12.1. Toxicity

2,2,4-trimethylpentane (540-84-1)					
LC50 fish 1 18.4 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-sta system, Fresh water, Read-across, GLP)					
EC50 Daphnia 1	0.4 mg/l (EC50; Other; 48 h; Daphnia magna; Static system; Fresh water; Read-across)				
Threshold limit algae 1 2.943 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Fresh water)					
12.2. Persistence and degradabilit	у				
Aroclor 1242 (500 ppm)					
Persistence and degradability	Not established.				
2,2,4-trimethylpentane (540-84-1)					
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil.				
10/10/2018	EN (English LIS) 4/7				

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

2,2,4-trimethylpentane (540-84-1)					
ThOD	3.5 g O ₂ /g substance				
2.3. Bioaccumulative potential					
Aroclor 1242 (500 ppm)					
Bioaccumulative potential	Not established.				
2,2,4-trimethylpentane (540-84-1)					
BCF fish 1	231 (BCFBAF v3.00, Pisces, Calculated value)				
BCF fish 2	231 (BCF)				
Log Pow	4.08 - 5.18 (Calculated; KOWWIN)				
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).				
2.4. Mobility in soil					
2,2,4-trimethylpentane (540-84-1)					
Log Koc	log Koc,SRC PCKOCWIN v2.0; 2.58; Calculated value; Koc; SRC PCKOCWIN v2.0; 240.3; Calculated value				
2.5. Other adverse effects					
ther information	: Avoid release to the environment.				
SECTION 13: Disposal consideration					
	5				
3.1. Waste treatment methods					
roduct/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.				
cology - waste materials	: Avoid release to the environment.				
ECTION 14: Transport information					
accordance with DOT					
ansport document description	: UN1993 Flammable liquids, n.o.s. (2,2,4-trimethylpentane), 3, II				
N-No.(DOT)	: 1993				
OT NA no.	: UN1993				
oper Shipping Name (DOT)	: Flammable liquids, n.o.s.				
()	2,2,4-trimethylpentane				
lass (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120				
azard labels (DOT)	: 3 - Flammable liquid				
	PLANMABLE LIQUID 3				
OT Symbols	: G - Identifies PSN requiring a technical name				
acking group (DOT)	: II - Medium Danger				
OOT Special Provisions (49 CFR 172.102)	 IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). 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. T7 - 4 178.274(d)(2) Normal				
OOT Packaging Exceptions (49 CFR 173.xxx)	: 150				
OT Packaging Non Bulk (49 CFR 173.xxx)	: 202				
OT Packaging Bulk (49 CFR 173.xxx)	: 242				
OT Quantity Limitations Passenger aircraft/rail I9 CFR 173.27)	: 5L				

Aroclor 1242 (500 ppm) Safety Data Sheet

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L			
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.			
Additional information				
Emergency Response Guide (ERG) Number	: 128			
Other information	: No supplementary information available.			
ADR				
Transport document description	:			
Transport by sea				
UN-No. (IMDG)	: 1993			
Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, N.O.S.			
Class (IMDG)	: 3 - Flammable liquids			
Packing group (IMDG)	: II - substances presenting medium danger			
Air transport				
UN-No. (IATA)	: 1993			
Proper Shipping Name (IATA)	: Flammable liquid, n.o.s.			
Class (IATA)	: 3 - Flammable Liquids			
Packing group (IATA)	: II - Medium Danger			
SECTION 15: Regulatory information				
15.1. US Federal regulations				
2,2,4-trimethylpentane (540-84-1)				
Listed on the United States TSCA (Toxic Substa CERCLA RQ	ances Control Act) inventory 1000 lb			
	1000 lb			
15.2. International regulations				
CANADA				
2,2,4-trimethylpentane (540-84-1) Listed on the Canadian DSL (Domestic Substan	vege Liet)			
LISTED ON THE CANADIAN DOL (DOMESTIC SUDSTAIL				
EU-Regulations				
•				
No additional information available	o. 1272/2008 [CLP]			
EU-Regulations No additional information available Classification according to Regulation (EC) No Not classified	o. 1272/2008 [CLP]			
No additional information available Classification according to Regulation (EC) No	o. 1272/2008 [CLP]			
No additional information available Classification according to Regulation (EC) No Not classified Classification according to Directive 67/548/EI				
No additional information available Classification according to Regulation (EC) No Not classified Classification according to Directive 67/548/EI Not classified				
No additional information available Classification according to Regulation (EC) No Not classified Classification according to Directive 67/548/El Not classified 15.2.2. National regulations				
No additional information available Classification according to Regulation (EC) No Not classified Classification according to Directive 67/548/EI Not classified				

Aroclor 1242 (500 ppm)() U.S. - California - Proposition 65 - Carcinogens List

No

Safety Data Sheet

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

Aroclor 1242 (500 ppm)()					
U.S California - Proposition 65 - Developmental Toxicity		No)		
U.S California - Proposition 65 - Reproductive Toxicity - Female		No)		
U.S California - Proposition - Male	a - Proposition 65 - Reproductive Toxicity No				
2,2,4-trimethylpentane (540-	·84-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity		U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No		No	No	

SECTION 16: Other information	
Data sources	 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: None.

Hazard Rating

PHV SDS US

Copyright 2015 Phenova, Inc. License granted to make paper copies for internal use. The information contained in this Safety Data Sheet is based on our current knowledge. The information contained in this document should be used only as a guide for appropriate safety precautions and should not be considered to be all inclusive. Users should make their own investigation to determine the suitability of the information for their particular purposes. The document does not represent any guarantee of the properties of the product. Phenova, Inc. shall not be held liable for any damage resulting from the handling or use of this product. Visit the Terms and Conditions of Sale link at www.phenova.com for additional terms and conditions of sale.