

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 11/07/2018 Revision date: :

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product form	. Mindeana
	: Mixture
Product name	: Aroclor 1232 in Oil
Product code	: AL0-130331
Product group	: Trade product
1.2. Relevant identified uses	of the substance or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Laboratory Use
Industrial/Professional use spec	: Industrial For professional use only
Use of the substance/mixture	: Certified reference material for laboratory use only
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of	f the safety data sheet
Phenova 6390 Joyce Dr. Suite 100	
80403 Golden, CO - United States T 1-866-942-2978 - F 1-866-283-026 info@phenova.com - <u>www.phenova.</u>	
T 1-866-942-2978 - F 1-866-283-026	.com
T 1-866-942-2978 - F 1-866-283-026 info@phenova.com - www.phenova.	.com
T 1-866-942-2978 - F 1-866-283-026 info@phenova.com - www.phenova. 1.4. Emergency telephone nu	.com umber : ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585
T 1-866-942-2978 - F 1-866-283-026 info@phenova.com - www.phenova. 1.4. Emergency telephone nu Emergency number	.com umber : ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585 ification
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Adverse physicochemical, human health and environmental effects

No additional information available

Z.Z.	Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS08 GHS09
Signal word (CLP)	: Danger
Hazardous ingredients	: Transformer Oil
Hazard statements (CLP)	: H350 - May cause cancer H411 - Toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	 P273 - Avoid release to the environment P280 - Wear protective gloves/protective clothing/eye protection/face protection P308+P313 - IF exposed or concerned: Get medical advice/attention P391 - Collect spillage P403+P233 - Store in a well-ventilated place. Keep container tightly closed
12/07/2019	EN (English LIS)

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

No labeling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures				
Name		Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Transformer Oil (Component)		(CAS No) 64742-53-6 (EC-No.) 265-156-6 (EC index no) 649-466-00-2	99.995	Carc. 1B, H350
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general		r give anything by mouth to an unconsc cal advice/attention.	ious person. IF e	xposed or concerned: Get
First-aid measures after inhalation	: Allow	victim to breathe fresh air. Allow the view	ctim to rest.	
First-aid measures after skin contact		ove affected clothing and wash all expo arm water rinse.	sed skin area witl	h mild soap and water, followed
First-aid measures after eye contact	: Rinse persi	e immediately with plenty of water. Obta sts.	in medical attenti	on if pain, blinking or redness
First-aid measures after ingestion	: Rinse	e mouth. Do NOT induce vomiting. Obta	in emergency me	edical attention.
4.2. Most important symptoms and eff	fects, bot <u>h</u>	acute and delayed		
No additional information available				
4.3. Indication of any immediate media	cal attentio	n and special treatment needed		
No additional information available				
SECTION 5: Firefighting measures				
5.1. Extinguishing media			_	
Suitable extinguishing media	· Use e	extinguishing media appropriate for surr	ounding fire	
Unsuitable extinguishing media		ot use a heavy water stream.	ouriding ino.	
5.2. Special hazards arising from the s		-		
No additional information available	substance			
5.3. Advice for firefighters				
Firefighting instructions		water spray or fog for cooling exposed o ical fire. Prevent fire-fighting water from		
Protection during firefighting	: Do no	ot enter fire area without proper protecti	ve equipment, inc	cluding respiratory protection.
SECTION 6: Accidental release measures				
6.1. Personal precautions, protective	equipment	and emergency procedures		
6.1.1. For non-emergency personnel				
Emergency procedures	: Evac	uate unnecessary personnel.		
6.1.2. For emergency responders				
Protective equipment	: Equip	cleanup crew with proper protection.		
Emergency procedures	: Venti	late area.		
6.2. Environmental precautions				
Prevent entry to sewers and public waters. No	tify authorit	es if liquid enters sewers or public wate	rs. Avoid release	to the environment.
6.3. Methods and material for contain	ment <u>and c</u>	leaning up		
Methods for cleaning up	: Soak	up spills with inert solids, such as clay ge. Store away from other materials.	or diatomaceous	earth as soon as possible. Collect
6.4. Reference to other sections				

See Heading 8. Exposure controls and personal protection.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 7: Handling and storage Precautions for safe handing Explore measures : Genty wash with plenty of sage and water. RemoverTake off immediately all contaminated doing before reuse. Conditions for safe storage, including any incompatibilities Storage conditions : Direct sunlight. 2.3 Specific and use(s) No additional information available Sectron IS : Exposure controls/personal protection 2.1 Control parameters : Bitter focal explosure controls/personal protection 2.1 Control parameters : Waar chemically resultary explosure. Cloves. Protective dothing. Protective gogles. Safety glasses. Storage controls : Waar chemically protective gloses. Safety glasses. Storage controls : Waar chemically protective gloses. Near sutable glowes resistant to chemical protective glopes or safety glasses. Storage controls : Waar chemical groget or safety glasses. Storage controls : Waar chemic	according to Regulation (EC) No. 1907/2006 (REACH) w	th its amendment Regulation (EU) 2015/830	
Precautions for safe handling Wash hands and other exposed areas with mile scap and water power tormation of vapor. Obtain special instructions before use. On oth handle until all safety precautions have been read and understood. Gentty wash with plenty of scap and water. Remove/Take off immediately all contaminated doing before reuse. Conditions on safe storage, including my incompatibilities Storage conditions : Gentty wash with plenty of scap and water. Remove/Take off immediately all contaminated doing before reuse. Incompatible materials : Direct sunlight. 7.3. Specific and use() : Biter scal and synthy the plenty of scap and water. Remove/Take off immediately all contaminated doing before reuse. Incompatible materials : Direct sunlight. 7.4. Specific and use() : Direct sunlight. No additional information available : Direct sunlight. 7.6. Control parameters : Ether local exhault or general room ventilation is usually required. Paporpriate majnering controls : Ether local exhault or general room ventilation is usually required. Paporpriate majnering controls : Ether local exhault or general room ventilation is usually required. Paporpriate majnering controls : Ether local exhault or general room ventilation is usually required.	SECTION 7: Handling and storage		
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Steage conditions : Keep container for deser when not in use. Keep container for thy closed and in a well-ventilated place. Keep away from any flames or sparking source. Incompatible materials : Direct sunlight. 7.3 Specific end use(s) No additional information available International source and the source of th	Hygiene measures		
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Explosion limits : No data available			
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No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

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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 temperatur	es.
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
Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
Description of the second time time time	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
j,	Based on available data, the classification criteria are not met
Carcinogenicity	: May cause cancer.
	May cause cancer
Reproductive toxicity	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity – single exposure	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
	Based 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.
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - water	: Toxic to aquatic life with long lasting effects.
12.2. Persistence and degradability	
Aroclor 1232 in Oil	
Persistence and degradability	May cause long-term adverse effects in the environment.
12.3. Bioaccumulative potential	
Aroclor 1232 in Oil	
Bioaccumulative potential	Not established.
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessme	nt
No additional information available	
12.6. Other adverse effects	
Additional information	: Avoid release to the environment
SECTION 13: Disposal consideration	IS
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
13/07/2018	EN (English US) 4.

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Ecology - waste materials

: Avoid release to the environment.

Ecology waste materials	
SECTION 14: Transport informati	on
In accordance with ADR / RID / IMDG / IATA	A/ ADN
14.1. UN number	
UN-No. (ADR)	: 3082
UN-No. (IATA)	: 3082
UN-No. (IMDG)	: 3082
UN-No. (ADN)	: 3082
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description (ADR)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (E)
	. UN 3002 ENVIRONMENTALET HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (E)
14.3. Packing group	
Class (ADR)	: 9
Classification code (ADR)	: M6
Class (IATA)	: 9
Class (IMDG)	: 9
Class (ADN)	· 9
Classification code (ADN)	: M6
Hazard labels (ADR)	: 9
Hazard labels (IATA)	
Hazard labels (IMDG)	: 9
Hazard labels (ADN)	: 9
14.4. Packing group	
Packing group (ADR)	: III
Packing group (IATA)	
Packing group (IMDG) Packing group (ADN)	
14.5. Environmental hazards	· · ···
	· ^
Dangerous for the environment	
Other information	: No supplementary information available.

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14.6. Special precautions for user	
14.6.1. Overland transport	
Hazard identification number (Kemler No.)	: 90
Classification code (ADR)	: M6
Orange plates	
	90
	3082
Special provision (ADR)	: 274, 335, 601, 375
Transport category (ADR)	: 3
Tunnel restriction code (ADR)	: E
Limited quantities (ADR)	: 51
Excepted quantities (ADR)	: E1
14.6.2. Transport by sea	
Special provision (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A
14.6.3. Air transport	
Transport regulations (IATA)	: Subject to the provisions
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
PCA packing instructions (IATA)	: 964
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA max net quantity (IATA)	: 450L
PCA Excepted quantities (IATA)	: E1
Special provision (IATA)	: A97, A158, A197
ERG code (IATA)	: 9L
14.6.4. Inland waterway transport	
Special provision (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	2 PP
Number of blue cones/lights (ADN)	: 0
Carriage prohibited (ADN)	: No
14.7 Transport in bulk according to Ann	

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

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no REACH candidate substance Contains no REACH Annex XIV substances.

15.1.2. National regulations

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Germany

Water hazard class (WGK)

: 3 - strongly hazardous to water

15.2.	Chemical safety assessment
No chei	mical safety assessment has been carried out

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.

PHV SDS EU

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