

SAFETY DATA SHEET

SYNXTREME AC-68

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200.

1. Identification	
Product identifier	
Product name	SYNXTREME AC-68
Product number	L0941-060, L0941-062
Recommended use of the che	emical and restrictions on use
Application	Synthetic lubricating oil
Uses advised against	No specific uses advised against are identified.
Details of the supplier of the s	safety data sheet
Manufacturer	Lubriplate Lubricants Co. Corporate Headquarters 129 Lockwood Street Newark, NJ 07105 Midwest Office & Plant 1500 Oakdale Ave.
Emergency telephone numbe	Toledo, OH 43605 419-691-2491 419-693-3806
Emergency telephone	<sup></sup> Chem-Tel: 1-800-255-3924 (US & Canada only) 01-813-248-0585 (Outside US & Canada)
2. Hazard(s) identification	
Classification of the substanc	e or mixture
Physical hazards	Not Classified
Health hazards	Skin Sens. 1 - H317 STOT RE 2 - H373
Environmental hazards	Aquatic Acute 3 - H402 Aquatic Chronic 3 - H412
Label elements Hazard symbols	
Signal word	Warning
Hazard statements	H317 May cause an allergic skin reaction. H373 May cause damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects.

Precautionary statements	<ul> <li>P260 Do not breathe vapor/ spray.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P302+P352 If on skin: Wash with plenty of water.</li> <li>P314 Get medical advice/ attention if you feel unwell.</li> <li>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</li> <li>P362+P364 Take off contaminated clothing and wash it before reuse.</li> </ul>
Contains	N-phenyl-1-naphthylamine

### Other hazards

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

N-phenyl-1-naphthylamine		1-5%
CAS number: 90-30-2		
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification		
Acute Tox. 4 - H302		
Skin Sens. 1 - H317		
STOT RE 2 - H373		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		
diphenylamine		<1%
		5170
CAS number: 122-39-4		
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification		
Acute Tox. 3 - H301		
Acute Tox. 3 - H311		
Acute Tox. 3 - H331		
STOT RE 2 - H373		
Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		

The full text for all hazard statements is displayed in Section 16.

## 4. First-aid measures

## Description of first aid measures

General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Personal precautions, protectiv	ve equipment and emergency procedures
6. Accidental release measure	
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.
Protective actions during firefighting	Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Advice for firefighters	
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.
Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Special hazards arising from the	he substance or mixture
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Extinguishing media	
5. Fire-fighting measures	
Notes for the doctor	Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.
-	al attention and special treatment needed
Eye contact	May be slightly irritating to eyes.
Skin contact	May cause skin sensitization or allergic reactions in sensitive individuals.
Ingestion	May cause sensitization or allergic reactions in sensitive individuals.
Inhalation	length of exposure. A single exposure may cause the following adverse effects: Temporary irritation.
General information	The severity of the symptoms described will vary dependent on the concentration and the
	effects, both acute and delayed
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
Skin Contact	It is important to remove the substance from the skin immediately. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognized skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.

 Personal precautions
 Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid contact with skin and eyes.

### **Environmental precautions**

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the
	aquatic environment.

### Methods and material for containment and cleaning up

Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health

hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.		
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.		
Conditions for safe storage	Conditions for safe storage, including any incompatibilities		
Storage precautions	Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.		
Storage class	Miscellaneous hazardous material storage.		
Specific end uses(s)			
Specific end use(s)	The identified uses for this product are detailed in Section 1.		
8. Exposure controls/Pers	sonal protection		

### **Control parameters**

Occupational exposure limits

#### diphenylamine

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m<sup>3</sup>

A4

ACGIH = American Conference of Governmental Industrial Hygienists. A4 = Not Classifiable as a Human Carcinogen.

#### Exposure controls

## Protective equipment



Appropriate engineering controls	Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.
Hand protection	It is recommended that chemical-resistant, impervious gloves are worn. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection	May cause skin sensitization or allergic reactions in sensitive individuals. Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection	Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply should comply with OSHA 1910.134.
Environmental exposure controls	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

	<u> </u>
Appearance	Liquid. [Transparent oil.]
Color	Colorless. Water-white.
Odor	Odorless.
Odor threshold	Not available.
рН	Not available.
Melting point	Not available.
Initial boiling point and range	<200°C (<392°F)
Flash point	277°C/530.6°F Cleveland open cup.
Evaporation rate	< 0.01 (butyl acetate = 1)
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapor pressure	<0.0013 kPa @ 20°C
Vapor density	> 5
Relative density	1.01
Solubility(ies)	Insoluble in water.

Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	65 cSt @ 40°C/104°F 8.63 cSt @ 100°C/212°F
Explosive properties	Not considered to be explosive.
Oxidizing properties	Does not meet the criteria for classification as oxidizing.
10. Stability and reactivity	
Reactivity	See the other subsections of this section for further details.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.
11. Toxicological information	
Information on toxicological eff	fects
Information on toxicological ef	
Information on toxicological eff Acute toxicity - oral Summary	Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> )	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg)	Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> )	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. 50,000.0
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD₅o) ATE oral (mg/kg) Acute toxicity - dermal Summary	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. 50,000.0 Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) <u>Acute toxicity - dermal</u> Summary Notes (dermal LD <sub>50</sub> )	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. 50,000.0 Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Summary Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. 50,000.0 Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Summary Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation Summary	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. 50,000.0 Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Summary Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation Summary Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation Summary	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. 50,000.0 Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) <u>Acute toxicity - dermal</u> Summary Notes (dermal LD <sub>50</sub> ) <u>Acute toxicity - inhalation</u> Summary Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. 50,000.0 Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Summary Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation Summary Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation Summary	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. 50,000.0 Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Summary Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation Summary Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation Summary Animal data Serious eye damage/irritation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. 50,000.0 Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Information on toxicological eff Acute toxicity - oral Summary Notes (oral LD <sub>50</sub> ) ATE oral (mg/kg) Acute toxicity - dermal Summary Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation Summary Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation Summary Animal data Serious eye damage/irritation Summary	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. 50,000.0 Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.

Summary	Based on available data the classification criteria are not met.
Respiratory sensitization	Based on available data the classification criteria are not met.
Skin sensitization	
Summary	May cause an allergic skin reaction.
Skin sensitization	May cause skin sensitization or allergic reactions in sensitive individuals.
Germ cell mutagenicity	
Summary	Based on available data the classification criteria are not met.
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Summary	Based on available data the classification criteria are not met.
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Summary	Based on available data the classification criteria are not met.
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity -	single exposure
Summary	Based on available data the classification criteria are not met.
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity -	repeated exposure
Summary	Based on available data the classification criteria are not met.
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Summary	Based on available data the classification criteria are not met.
Aspiration hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Temporary irritation.
Ingestion	May cause sensitization or allergic reactions in sensitive individuals.
Skin Contact	May cause skin sensitization or allergic reactions in sensitive individuals.
Eye contact	May be slightly irritating to eyes.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.
Medical considerations	Skin disorders and allergies.
Toxicological information on in	gredients.

N-phenyl-1-naphthylamine

Acute toxicity - oral	
Notes (oral LD₅₀)	Acute Tox. 4 - H302 Harmful if swallowed.
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritati	on
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitization	
Respiratory sensitization	Based on available data the classification criteria are not met.
Skin sensitization	
Skin sensitization	May cause skin sensitization or allergic reactions in sensitive individuals.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicit	y - single exposure
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicit	y - repeated exposure
STOT - repeated exposure	STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	
Aspiration hazard	Not relevant. Solid.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	May cause sensitization or allergic reactions in sensitive individuals. May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.

Skin Contact	May cause skin sensitization or allergic reactions in sensitive individuals. Prolonged contact may cause dryness of the skin.
Eye contact	No specific symptoms known.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.
Medical considerations	Skin disorders and allergies.

### reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives

Acute toxicity - oral		
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.	
Acute toxicity - dermal		
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.	
Acute toxicity - inhalation		
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.	
Skin corrosion/irritation		
Animal data	Based on available data the classification criteria are not met.	
Serious eye damage/irritati	on	
Serious eye damage/irritation	Based on available data the classification criteria are not met.	
Respiratory sensitization		
Respiratory sensitization	Based on available data the classification criteria are not met.	
Skin sensitization		
Skin sensitization	Based on available data the classification criteria are not met.	
Germ cell mutagenicity		
Genotoxicity - in vitro	Based on available data the classification criteria are not met.	
Carcinogenicity		
Carcinogenicity	Based on available data the classification criteria are not met.	
IARC carcinogenicity	None of the ingredients are listed or exempt.	
Reproductive toxicity		
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.	
Reproductive toxicity - development	Suspected of damaging the unborn child.	
Specific target organ toxicity - single exposure		
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.	

Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure. **Aspiration hazard** 

	Aspiration hazard	Based on available data the classification criteria are not met.
	General information	Avoid contact during pregnancy/while nursing. May damage fertility. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
	Inhalation	No specific symptoms known.
	Ingestion	No specific symptoms known.
	Skin Contact	No specific symptoms known.
	Eye contact	No specific symptoms known.
	Route of exposure	Ingestion Inhalation Skin and/or eye contact
	Target Organs	No specific target organs known.
12. Ecologi	ical information	
Toxicity	Aquatic	Chronic 3 - H412 Harmful to aquatic life with long lasting effects.
Acute aqua	atic toxicity	
Summary		on available data the classification criteria are not met.
Chronic aq Summary	<b>uatic toxicity</b> Harmfu	I to aquatic life with long lasting effects.
Ecological	information on ingredients.	
		N-phenyl-1-naphthylamine
	Toxicity	Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very
		toxic to aquatic life with long lasting effects.
	Acute aquatic toxicity	toxic to aquatic life with long lasting effects.
	Acute aquatic toxicity LE(C)∞	toxic to aquatic life with long lasting effects. 0.1 < L(E)C50 ≤ 1
	<u></u>	
	LE(C) <sub>50</sub>	0.1 < L(E)C50 ≤ 1
	LE(C)∞ M factor (Acute)	0.1 < L(E)C50 ≤ 1
	LE(C)∞ M factor (Acute) Chronic aquatic toxicity	0.1 < L(E)C50 ≤ 1 1
	LE(C)₅o M factor (Acute) <u>Chronic aquatic toxicity</u> NOEC	$0.1 < L(E)C50 \le 1$ 1 $0.01 < NOEC \le 0.1$
Persistence	LE(C)₅₀ M factor (Acute) Chronic aquatic toxicity NOEC Degradability	$0.1 < L(E)C50 \le 1$ 1 $0.01 < NOEC \le 0.1$ Non-rapidly degradable
	LE(C)∞ M factor (Acute) <u>Chronic aquatic toxicity</u> NOEC Degradability M factor (Chronic) e and degradability	$0.1 < L(E)C50 \le 1$ 1 $0.01 < NOEC \le 0.1$ Non-rapidly degradable
Persistence	LE(C)∞ M factor (Acute) <u>Chronic aquatic toxicity</u> NOEC Degradability M factor (Chronic) e and degradability	$0.1 < L(E)C50 \le 1$ 1 $0.01 < NOEC \le 0.1$ Non-rapidly degradable 1
Persistence	LE(C)∞ M factor (Acute) <u>Chronic aquatic toxicity</u> NOEC Degradability M factor (Chronic) e and degradability the degradability	$0.1 < L(E)C50 \le 1$ 1 $0.01 < NOEC \le 0.1$ Non-rapidly degradable 1
Persistence	LE(C)∞ M factor (Acute) <u>Chronic aquatic toxicity</u> NOEC Degradability M factor (Chronic) e and degradability the degradability	$0.1 < L(E)C50 \le 1$ 1 $0.01 < NOEC \le 0.1$ Non-rapidly degradable 1 gradability of the product is not known.
Persistence Ecological	LE(C)₅₀ M factor (Acute) <u>Chronic aquatic toxicity</u> NOEC Degradability M factor (Chronic) e and degradability e and degradability The deg information on ingredients.	$0.1 < L(E)C50 \le 1$ 1 $0.01 < NOEC \le 0.1$ Non-rapidly degradable 1 gradability of the product is not known. <u>N-phenyl-1-naphthylamine</u>

Partition coefficient	Not available.	
Ecological information on ingredients.		
	N-phenyl-1-naphthylamine	
Bio-Accumulative	Potential No data available on bioaccumulation.	
Mobility in soil		
Mobility	No data available.	
Ecological information on ingre	edients.	
	N-phenyl-1-naphthylamine	
Mobility	No data available.	
Other adverse effects		
Other adverse effects	None known.	
Ecological information on ingre	edients.	
	N-phenyl-1-naphthylamine	
Other adverse ef	fects None known.	
13. Disposal considerations		
Waste treatment methods		
General information	The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.	
Disposal methods	Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.	
14. Transport information		
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).	
UN Number		
UN No. (International)	Not applicable.	
UN No. (DOT)	Not applicable.	
UN proper shipping name		
Proper shipping name (International)	Not applicable.	
Proper shipping name (DOT)	Not applicable.	
Transport hazard class(es)		

Transport Labels (International)	No transport warning sign required.	
DOT transport labels No transport warning sign required.		
Packing group		
Packing group (International)	Not applicable.	
DOT packing group	Not applicable.	
Environmental hazards		
Environmentally Hazardous Se No.	ubstance	
Special precautions for user		
Not applicable.		
DOT TIH Zone	Not applicable.	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
15. Regulatory information		
Regulatory References	OSHA Hazard Communication Standard 29 CFR §1910.1200	
US Federal Regulations		
SARA Section 302 Extremely None of the ingredients are lis	Hazardous Substances Tier II Threshold Planning Quantities sted or exempt.	
CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA) None of the ingredients are listed or exempt.		
SARA Extremely Hazardous Substances EPCRA Reportable Quantities None of the ingredients are listed or exempt.		
SARA 313 Emission Reporting The following ingredients are listed or exempt:		
	-	
	-	
The following ingredients are <i>diphenylamine</i> 1.0 %	-	
The following ingredients are <i>diphenylamine</i> 1.0 % <i>Dec-1-ene, homopolymer, hyd</i>	listed or exempt: drogenated.dec-1-ene, oligomers, hydrogenated vention	
The following ingredients are diphenylamine 1.0 % Dec-1-ene, homopolymer, hyd 1.0 % CAA Accidental Release Prev	listed or exempt: drogenated.dec-1-ene, oligomers, hydrogenated <b>vention</b> sted or exempt.	
The following ingredients are diphenylamine 1.0 % Dec-1-ene, homopolymer, hyd 1.0 % CAA Accidental Release Prev None of the ingredients are lis FDA - Essential Chemical	listed or exempt: drogenated.dec-1-ene, oligomers, hydrogenated vention sted or exempt. sted or exempt.	

#### SARA (311/312) Hazard Categories

Respiratory or skin sensitization Specific target organ toxicity (single or repeated exposure)

#### **OSHA Highly Hazardous Chemicals**

None of the ingredients are listed or exempt.

#### **US State Regulations**

California Proposition 65 Carcinogens and Reproductive Toxins None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I) None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II) None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

The following ingredients are listed or exempt:

diphenylamine

### Massachusetts "Right To Know" List The following ingredients are listed or exempt:

diphenylamine

### Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

diphenylamine

Minnesota "Right To Know" List The following ingredients are listed or exempt:

diphenylamine

New Jersey "Right To Know" List The following ingredients are listed or exempt:

diphenylamine

Pennsylvania "Right To Know" List The following ingredients are listed or exempt: *diphenylamine* 

### Inventories

**US - TSCA** All the ingredients are listed or exempt.

### US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

### 16. Other information

Abbreviations and acronyms used in the safety data sheet	TDG: The transport of dangerous goods act
	<ul> <li>IATA: International air transport association.</li> <li>ICAO: Technical instructions for the safe transport of dangerous goods by air.</li> <li>IMDG: International maritime dangerous goods.</li> <li>CAS: Chemical abstracts service.</li> <li>ATE: Acute toxicity estimate.</li> <li>LC<sub>50</sub>: Lethal concentration to 50 % of a test population.</li> <li>LD<sub>50</sub>: Lethal dose to 50% of a test population (median lethal dose).</li> <li>EC<sub>50</sub>: 50% of maximal effective concentration.</li> <li>PBT: Persistent, bioaccumulative and toxic substance.</li> <li>vPvB: Very persistent and very bioaccumulative.</li> </ul>
Classification abbreviations and acronyms	Skin Sens. = Skin sensitisation Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Training advice	Only trained personnel should use this material.
Revision date	4/10/2023
Revision	1
Supersedes date	8/29/2018
SDS No.	5136
Hazard statements in full	<ul> <li>H301 Toxic if swallowed.</li> <li>H302 Harmful if swallowed.</li> <li>H311 Toxic in contact with skin.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H331 Toxic if inhaled.</li> <li>H373 May cause damage to organs (Heart &amp; cardiovascular system) through prolonged or repeated exposure.</li> <li>H373 May cause damage to organs through prolonged or repeated exposure.</li> <li>H400 Very toxic to aquatic life.</li> <li>H402 Harmful to aquatic life with long lasting effects.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> </ul>

End of SDS

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.