

SAFETY DATA SHEET

SYNAC 46

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

1. Identification		
Product identifier		
Product name	SYNAC 46	
Product number	L0933-060, L0933-062	
Recommended use of the c	hemical and restrictions on use	
Application	Synthetic lubricating oil	
Uses advised against	No specific uses advised against are identified.	
Details of the supplier of the	e safety data sheet	
Manufacturer	Lubriplate Lubricants Co. Corporate Headquarters 129 Lockwood Street Newark, NJ 07105 Midwest Office & Plant 1500 Oakdale Ave. Toledo, OH 43605 419-691-2491 419-693-3806	
Emergency telephone numb	ber	
Emergency telephone numb Emergency telephone	Der Chem-Tel: 1-800-255-3924 (US & Canada only) 01-813-248-0585 (Outside US & Canada)	
	— Chem-Tel: 1-800-255-3924 (US & Canada only)	
Emergency telephone	Chem-Tel: 1-800-255-3924 (US & Canada only) 01-813-248-0585 (Outside US & Canada)	
Emergency telephone 2. Hazard(s) identification	Chem-Tel: 1-800-255-3924 (US & Canada only) 01-813-248-0585 (Outside US & Canada)	
Emergency telephone 2. Hazard(s) identification Classification of the substar	Chem-Tel: 1-800-255-3924 (US & Canada only) 01-813-248-0585 (Outside US & Canada) nce or mixture	
Emergency telephone 2. Hazard(s) identification Classification of the substar Physical hazards	Chem-Tel: 1-800-255-3924 (US & Canada only) 01-813-248-0585 (Outside US & Canada) nce or mixture Not Classified	
Emergency telephone 2. Hazard(s) identification Classification of the substar Physical hazards Health hazards	Chem-Tel: 1-800-255-3924 (US & Canada only) 01-813-248-0585 (Outside US & Canada) nce or mixture Not Classified Skin Sens. 1 - H317	
Emergency telephone 2. Hazard(s) identification Classification of the substar Physical hazards Health hazards Environmental hazards	Chem-Tel: 1-800-255-3924 (US & Canada only) 01-813-248-0585 (Outside US & Canada) nce or mixture Not Classified Skin Sens. 1 - H317	
Emergency telephone 2. Hazard(s) identification Classification of the substar Physical hazards Health hazards Environmental hazards Label elements	Chem-Tel: 1-800-255-3924 (US & Canada only) 01-813-248-0585 (Outside US & Canada) nce or mixture Not Classified Skin Sens. 1 - H317	
Emergency telephone 2. Hazard(s) identification Classification of the substar Physical hazards Health hazards Environmental hazards Label elements	Chem-Tel: 1-800-255-3924 (US & Canada only) 01-813-248-0585 (Outside US & Canada) nce or mixture Not Classified Skin Sens. 1 - H317	

Precautionary statements	 P261 Avoid breathing vapor/ spray. P272 Contaminated work clothing must not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 If on skin: Wash with plenty of water. P321 Specific treatment (see medical advice on this label). P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispace of contaminate in accordance with patienal regulations.
	P501 Dispose of contents/ container in accordance with national regulations.
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%
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%
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	If in doubt, get medical attention promptly. 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.
Skin Contact	Rinse with water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.
Most important symptoms and	effects, both acute and delayed
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 discomfort if swallowed.
Skin contact	May cause discomfort.
Eye contact	May be slightly irritating to eyes.
Indication of immediate medicate	al attention and special treatment needed
Notes for the doctor	Treat symptomatically.
5. Fire-fighting measures	
Extinguishing media	
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.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the	ne substance or mixture
Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.
Advice for firefighters	
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.
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.
6. Accidental release measure	s
Personal precautions, protectiv	ve equipment and emergency procedures
Demonstrations	

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.

Environmental precautions

SYNAC 46

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.	
Methods and material for cont	ainment 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.	
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, 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/Personal protection

Control parameters

Occupational exposure limits

diphenylamine

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³ 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	No specific hand protection recommended. Avoid contact with skin.
Other skin and body protection	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 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

In	formation	on bas	ic physica	I and che	emical prop	erties

Appearance	Liquid. [Transparent oil.]
Color	Straw. to Yellowish.
Odor	Mild.
Odor threshold	Not available.
рН	Not available.
Melting point	Not available.
Initial boiling point and range	>288°C (>550.4°F)
Flash point	235°C/455°F Cleveland open cup.
Evaporation rate	< 0.01 (butyl acetate = 1)
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.9 $\%$ Upper flammable/explosive limit: 7 $\%$
Vapor pressure	<0.0013 kPa @ 20°C
Vapor density	> 5
Relative density	0.93
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	46 cSt @ 40°C/104°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

internation on textoological of	
Acute toxicity - oral	
Summary	Based on available data the classification criteria are not met.
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Summary	Based on available data the classification criteria are not met.
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Summary	Based on available data the classification criteria are not met.
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Summary	Based on available data the classification criteria are not met.
Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritation	
Summary	Based on available data the classification criteria are not met.
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitization	
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	Based on available data the classification criteria are not met.
Skin sensitization	Based on available data the classification criteria are not met.
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 discomfort if swallowed.	
Skin Contact	May cause discomfort.	
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.	
Toxicological information on ingredients.		

Acute toxicity - oral

N-phenyl-1-naphthylamine

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.
STOT - single exposure Specific target organ toxicit	
Specific target organ toxicit	
Specific target organ toxicit	y - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated
Specific target organ toxicit STOT - repeated exposure	y - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated
Specific target organ toxicit STOT - repeated exposure Aspiration hazard	y - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.
Specific target organ toxicit STOT - repeated exposure <u>Aspiration hazard</u> Aspiration hazard	 by - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure. Not relevant. Solid. The severity of the symptoms described will vary dependent on the concentration
Specific target organ toxicit STOT - repeated exposure Aspiration hazard Aspiration hazard General information	 by - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure. Not relevant. Solid. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Specific target organ toxicit STOT - repeated exposure Aspiration hazard Aspiration hazard General information Inhalation	 by - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure. Not relevant. Solid. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitization or allergic reactions in sensitive individuals. May cause
Specific target organ toxicit STOT - repeated exposure Aspiration hazard Aspiration hazard General information Inhalation Ingestion	 by - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure. Not relevant. Solid. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitization or allergic reactions in sensitive individuals. May cause discomfort if swallowed. Stomach pain. Nausea, vomiting. May cause skin sensitization or allergic reactions in sensitive individuals. Prolonged
Specific target organ toxicit STOT - repeated exposure Aspiration hazard Aspiration hazard General information Inhalation Ingestion Skin Contact	 y - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure. Not relevant. Solid. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitization or allergic reactions in sensitive individuals. May cause discomfort if swallowed. Stomach pain. Nausea, vomiting. May cause skin sensitization or allergic reactions in sensitive individuals. Prolonged contact may cause dryness of the skin.
Specific target organ toxicit STOT - repeated exposure Aspiration hazard Aspiration hazard General information Inhalation Ingestion Skin Contact Eye contact	 y - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure. Not relevant. Solid. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitization or allergic reactions in sensitive individuals. May cause discomfort if swallowed. Stomach pain. Nausea, vomiting. May cause skin sensitization or allergic reactions in sensitive individuals. Prolonged contact may cause dryness of the skin. No specific symptoms known.

diphenylamine

Acute toxicity - oral	
Notes (oral LD₅₀)	Acute Tox. 3 - H301 Toxic if swallowed.
ATE oral (mg/kg)	100.0
Acute toxicity - dermal	
Notes (dermal LD₅₀)	Acute Tox. 3 - H311 Toxic in contact with skin.
ATE dermal (mg/kg)	300.0
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	Acute Tox. 3 - H331 Toxic if inhaled.
ATE inhalation (vapours mg/l)	3.0
Skin corrosion/irritation	
Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritati	ion
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	Based on available data the classification criteria are not met.
Specific target organ toxici	ty - single exposure
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxici	ty - repeated exposure
STOT - repeated exposure	STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	
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: Drowsiness, dizziness, disorientation, vertigo. Unconsciousness. High concentrations may be fatal.
	Ingestion	May cause stomach pain or vomiting. May cause severe internal injury.
	Skin Contact	A single exposure may cause the following adverse effects: Pain.
	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	cal information	
Toxicity	Aquati	c Chronic 3 - H412 Harmful to aquatic life with long lasting effects.
Acute aqua	tic toxicity	
Summary	Based	on available data the classification criteria are not met.
	uatic toxicity	
Summary	Harmf	ul to aquatic life with long lasting effects.
Ecological i	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	
	LE(C)50	$0.1 < L(E)C50 \le 1$
	M factor (Acute)	1
	Chronic aquatic toxicity	
	NOEC	0.01 < NOEC ≤ 0.1
	Degradability	Non-rapidly degradable
	M factor (Chronic)	1
		diphenylamine
	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	
	LE(C)50	$0.1 < L(E)C50 \le 1$
	M factor (Acute)	1
	Chronic aquatic toxicity	
	NOEC	0.01 < NOEC ≤ 0.1
	Degradability	Non-rapidly degradable
	M factor (Chronic)	1
Persistence	e and degradability	

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

	N-phenyl-1-naphthylamine
Persistence and degradability	The degradability of the product is not known.
	diphenylamine
Persistence and degradability	The degradability of the product is not known.
Bioaccumulative potential	
Bio-Accumulative Potential	No data available on bioaccumulation.
Partition coefficient	Not available.
Ecological information on ingre	edients.
	N-phenyl-1-naphthylamine
Bio-Accumulative	• Potential No data available on bioaccumulation.
	diphenylamine
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.
	diphenylamine
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.

diphenylamine

Other adverse effects 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.	
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 proper shipping name		
Proper shipping name (International)	Not applicable.	
Transport hazard class(es)		
Transport Labels (International)	No transport warning sign required.	
Transport labels No transport warning sign requ	uired.	
DOT transport labels No transport warning sign required.		
Packing group		
Packing group (International)	Not applicable.	
Environmental hazards		
Environmentally Hazardous Substance		
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 Hazardous Substances Tier II Threshold Planning Quantities		

None of the ingredients are listed 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:

Dec-1-ene, homopolymer, hydrogenated.dec-1-ene, oligomers, hydrogenated 1.0 %

diphenylamine 1.0 %

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

Respiratory or skin sensitization

OSHA Highly Hazardous Chemicals None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins The following ingredients are listed or exempt:

1,2 Benzenedicarboxylic acid

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
	 IATA: International air transport association. ICAO: Technical instructions for the safe transport of dangerous goods by air. IMDG: International maritime dangerous goods. CAS: Chemical abstracts service. ATE: Acute toxicity estimate. LC₅₀: Lethal concentration to 50 % of a test population. LD₅₀: Lethal dose to 50% of a test population (median lethal dose). EC₅₀: 50% of maximal effective concentration. PBT: Persistent, bioaccumulative and toxic substance. vPvB: Very persistent and very bioaccumulative.
Classification abbreviations and acronyms	Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Training advice	Only trained personnel should use this material.
Revision date	3/13/2020
Revision	1
Supersedes date	8/30/2018
SDS No.	5120
Hazard statements in full	 H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H317 May cause an allergic skin reaction. H331 Toxic if inhaled. H373 May cause damage to organs (Heart & cardiovascular system) through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H402 Harmful to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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.