

Safety Data Sheet



Date of the latest revision of the safety data sheet: 07-10-2019

Supersedes: 13-08-2019

Solubility:	Negligible; 0-1%
Partition coefficient — n-octanol/water:	No data available
Auto-ignition temperature (°C):	No data available
Decomposition temperature (°C):	Not determined
Viscosity:	110.7

10 Stability and reactivity

Reactivity:	There are no known reactivity hazards associated with this product.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None expected under standard conditions of storage.
Conditions to avoid, including static discharge, shock or vibration:	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	No data available

11 Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Skin contact
Symptoms related to the physical, chemical and toxicological characteristics:	May cause damage to organs through prolonged or repeated exposure
Immediate effects from short term exposure:	
Inhalation:	No hazard in normal industrial use.
Skin Contact:	This material is likely to be moderately irritating to skin based on animal data. Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	This material is likely to be non-irritating to eyes based on animal data.
Ingestion:	Estimated to be > 5.0 g/kg. No hazard in normal industrial use.
Delayed and chronic effects from long term exposure:	
Carcinogenicity:	Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.
Reproductive and Developmental Toxicity:	Not known or reported to cause reproductive or developmental toxicity.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation,

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Skin Absorption: defatting, and dermatitis. Not likely to cause permanent damage. Upon prolonged or repeated exposure, no hazard in normal industrial use.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Classification has been based on toxicological information of the components in Section 3.

Aspiration hazard: Based on available data, the classification criteria are not met.

Numerical measures of toxicity, including ATEs Based on available data, the classification criteria are not met.

12 Ecological information

Ecotoxicity (aquatic and terrestrial, if available): Slight ecological hazard. In high concentrations, this product may be dangerous to plants and/or wildlife.

Ecological Toxicity Data:

Chemical Name	CAS registry number and any unique identifiers	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	Aquatic EC50 (48h) Daphnia 2.05 mg/L	Aquatic ERC50 (72h) 0.976 mg/L	Aquatic LC50 (96h) 1.3 mg/L
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No data available	Aquatic EC50 (48h) 0.58 mg/L	Aquatic LC50 (96h) Rainbow Trout 1 - 10 mg/L
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	Aquatic EC50 (48h) Daphnia > 1000 mg/L	No data available	Aquatic LC50 (96h) Rainbow Trout > 5000 mg/L

Persistence and degradability: No data available

Bioaccumulative potential: Bioconcentration is not expected to occur.

Mobility in soil: This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

Other adverse effects: None known.

13 Disposal considerations

Information on safe handling for disposal and methods of disposal, including any contaminated packaging: Spent or discarded material is non-hazardous according to environmental regulations.

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14 Transport information

Transportation of Dangerous Goods by land (TDG):

UN number: Not regulated for road transport
UN Proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable

International carriage of dangerous goods by sea (IMDG/IMO):

UN number: Not regulated by IMDG
UN Proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable

International carriage of dangerous goods by air (IATA):

UN number: Not regulated by IATA
UN Proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable

Environmental hazards according to the International Maritime Dangerous Goods Code and the United Nations Model Regulations: No

Transport in bulk (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78) and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)): No data available

Special precautions in connection with transport or conveyance either within or outside the premises: No data available

15 Regulatory information

Safety, health and environmental regulations, made within or outside Canada, specific to the product in question:

Canada - Domestic Substances List (DSL):

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Chemical Name	CAS No	Canada - Domestic Substances List (DSL)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	Yes
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	Yes
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	Yes
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	Yes
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	Yes

Canada - Non-Domestic Substances List (NDSL):

Chemical Name	CAS No	Canada - Non-Domestic Substances List (NDSL)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No

Canada - Controlled Drugs and Substances:

Chemical Name	CAS No	Schedule I	Schedule II	Schedule III	Schedule IV	Schedule V	Schedule VII	Schedule VIII
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No	No	No	No	No	No	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No	No	No	No	No	No	No

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Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No	No	No	No	No	No	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	No	No	No	No	No	No	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No	No	No	No	No	No	No

Chemical Name	CAS No	Class A Precursors	Class B Precursors	Exempt Precursors	Class 1 Targeted Substances	Class 2 Targeted Substances
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No	No	No	No	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No	No	No	No	No
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No	No	No	No	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	No	No	No	No	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No	No	No	No	No

Canada - CEPA - Schedule III Export Control List:

Chemical Name	CAS No	Part 1 Prohibited Substances	Part 2 Substances Subject to Notification or Consent	Part 3 Restricted Substances	Export Control List
Lubricating oils (petroleum), C20-50,	72623-87-1	No	No	No	No

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hydrotreated neutral oil-based					
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No	No	No	No
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No	No	No	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotnazole-1-methanamine	94270-86-7	No	No	No	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No	No	No	No

Canada CEPA - 2015 Greenhouse Gases (GHG) Subject to Mandatory Reporting:

Chemical Name	CAS No	Canada CEPA - 2015 Greenhouse Gases (GHG) Subject to Mandatory Reporting
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotnazole-1-methanamine	94270-86-7	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No

Canada - Narcotic Control Regulations (C.R.C., c. 1041):

Chemical Name	CAS No	Canada - Narcotic Control Regulations (C.R.C., c. 1041)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No

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Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No

Canada - Ontario - Toxics Reduction - List of Priority Toxics:

Chemical Name	CAS No	Canada - Ontario - Toxics Reduction - List of Priority Toxics
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No

Stockholm Convention on Persistent Organic Pollutants:

Chemical Name	CAS No	Stockholm Convention on Persistent Organic Pollutants
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade:

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Chemical Name	CAS No	Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade .
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotnazole-1-methanamine	94270-86-7	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No

(United Nations) - Kyoto Protocol - Convention on Climate Change - Greenhouse Gases (GHGs):

Chemical Name	CAS No	(United Nations) - Kyoto Protocol - Convention on Climate Change - Greenhouse Gases (GHGs)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotnazole-1-methanamine	94270-86-7	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No

Montreal Protocol on Substances that Deplete the Ozone Layer:

Chemical Name	CAS No	Montreal Protocol on Substances that Deplete the Ozone Layer
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No

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Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal.:

Chemical Name	CAS No	Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal.
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	No
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	No
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	No
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	No

16 Other information

Date of the latest revision of the safety data sheet: 07-10-2019

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Disclaimer: This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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