

SAFETY DATA SHEET CAT AXLE & BRAKE OIL ADDITIVE

Section 1. Identification

GHS product identifier	: CAT AXLE & BRAKE OIL ADDITIVE
Other means of identification	: Not available.
Product type	: Liquid
Product code	: 8437210000.
SDS #	: 1513
Relevant identified uses of t	he substance or mixture and uses advised against
Product use: For professional use only.	: Industrial applications: Lubricants - Friction-reducing additives
Supplier's details	: Chemtool Incorporated 801 West Rockton Road Rockton, IL 61072 U.S.A. Tel: +01 815.957.4140 Fax: +01 815.624.0292
Emergency telephone number	: INFOTRAC U.S. and Canada - 800.535.5053 Outside the U.S. and Canada - +1 352.323.3500

Section 2. Hazards identification

OSHA/HCS status	This material is considered bezerdous by the OSHA Hezerd Communication Standard
USHA/HUS SIdius	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the	: EYE IRRITATION - Category 2A
substance or mixture	SKIN SENSITIZATION - Category 1
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	: Causes serious eye irritation.
	May cause an allergic skin reaction.
Precautionary statements	
Prevention	: Wear protective gloves. Wear eye or face protection. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response	: IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Validated on 6/18/2018.

Section 2. Hazards identification

Storage Disposal

- : Not applicable.
 - : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified
- : None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of	: Not available.
identification	

Ingredient name	%	CAS number
Distillates (petroleum), solvent-dewaxed heavy paraffinic dioctyl phosphonate Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis(2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bis(2-ethylhexyl) -5-methyl- and N,N-bis(2-ethylhexyl) - 4-methyl- 1H-benzotriazole- 1-methylamine and 2H-Benzotriazole - 2-methanamine, N,N-bis(2-ethylhexyl) -4-methyl-and N,N-bis(2-ethylhexyl) -5-methyl-1H-benzotriazole 1-methylamine	≥10 - ≤25 ≥10 - ≤25 ≤5	64742-65-0 1809-14-9 mixture

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary	first aid measures
Eye contact	 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.
/alidated on 6/18/2018.	2/13

Section 4. First aid measures

Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/	effects, acute and delayed
Potential acute health effe	<u>cts</u>
Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sym	<u>otoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
Indication of immediate me	dical attention and special treatment needed, if necessary
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures			
: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.			
: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".			
: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).			
Methods and materials for containment and cleaning up			
: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.			
: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.			

Section 7. Handling and storage

Precautions for safe handling	1
Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name		Exposure limits
Distillates (petroleum), solvent-dewaxed heavy paraffinic dioctyl phosphonate Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bi (2-ethylhexyl) -5-methyl- and N,N-bis(2-ethylhexyl) - 4-methyl- 1H- benzotriazole-1-methylamine and 2H-Benzotriazole - 2-methanamine, I N-bis(2-ethylhexyl) -4-methyl-and N,N-bis(2-ethylhexyl) -5-methyl-1H- benzotriazole - 1-methylamine		, N,
Appropriate engineering controls	: Good general ventilation should be s contaminants.	ufficient to control worker exposure to airborne
Environmental exposure controls	they comply with the requirements o	rocess equipment should be checked to ensure f environmental protection legislation. In some ineering modifications to the process equipment is to acceptable levels.

Individual protection measures

Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	 Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure controls/personal protection

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Respiratory protection
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: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid [Clear.]
Color	: Yellow.
Odor	: Mild. Petroleum oil
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: 148.9°C (300°F) [Pensky-Martens.]
Evaporation rate	: Not available.
Flammability (solid, gas)	: Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Density	: 0.88 to 0.97 g/cm ³
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	No specific data.
Incompatible materials	:	No specific data.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure		
Distillates (petroleum), solvent-dewaxed heavy paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-		
	LD50 Oral	Rat	>5000 mg/kg	-		
Conclusion/Summary	: No known significant effects	s or critical hazards	i.			
Irritation/Corrosion						
Conclusion/Summary						
Skin	: No known significant effects	s or critical hazards	i.			
Eyes	: May cause mild eye irritatio	n.				
Respiratory	: Repeated or prolonged exp	osure to spray or n	nist may produce res	piratory tract irritation		
Sensitization						
Conclusion/Summary						
Skin	: May cause an allergic skin reaction.					
Respiratory	: Sensitization not suspected	for humans.				
Mutagenicity						
Conclusion/Summary	: There are no data available humans.	on the mixture itse	elf. Mutagenicity not s	uspected for		
Carcinogenicity						
Conclusion/Summary	: There are no data available humans.	on the mixture itse	elf. Carcinogenicity no	ot suspected for		
Reproductive toxicity						
Conclusion/Summary	: There are no data available humans, according to our d		elf. Not considered to	be dangerous to		
Teratogenicity						
Conclusion/Summary	: There are no data available humans.	on the mixture itse	elf. Teratogenicity not	suspected for		
Specific target organ toxicit	t <u>y (single exposure)</u>					
Not available.						

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

: Routes of entry anticipated: Oral, Dermal, Inhalation.

Toules of exposure		
Potential acute health effects		
Eye contact	;	Causes serious eye irritation.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	1	May cause an allergic skin reaction.
Ingestion	:	No known significant effects or critical hazards.

Validated on 6/18/2018.

Section 11 Toxicological information

Section 11. Toxice		ogical information
Symptoms related to the phy	ysic	cal, chemical and toxicological characteristics
Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	1	No specific data.
Skin contact	:	Adverse symptoms may include the following: irritation redness
Ingestion	:	No specific data.
Delayed and immediate effe	<u>cts</u>	and also chronic effects from short and long term exposure
<u>Short term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	1	Not available.
Long term exposure		
Potential immediate effects	;	Not available.
Potential delayed effects	:	Not available.
Potential chronic health eff	iect	<u>s</u>
Conclusion/Summary	:	No known significant effects or critical hazards.
General	:	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Reaction mass of 1H- Benzotriazole- 1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole- 2-methanamine, N, N-bis (2-ethylhexyl) -5-methyl- and N,N-bis(2-ethylhexyl) - 4-methyl- 1H-benzotriazole- 1-methylamine and 2H- Benzotriazole - 2-methanamine, N,N-bis (2-ethylhexyl) -4-methyl-and	EC50 0.976 mg/l	Algae	72 hours
Validated on 6/18/2018.			٤

Section 12. Ecological information

N,N-bis(2-ethylhexyl) -5-methyl-1H-benzotriazole -1-methylamine			
	EC50 2.05 mg/l LC50 1.3 mg/l NOEC 0.658 mg/l	Daphnia - Daphnia magna Fish - Zebra fish Algae	48 hours 4 days 72 hours
Conclusion/Summary	: Harmful to aquatic life with long lasting	effects.	
Persistence and degradabilit	t y		
Conclusion/Summary	: Not expected to be rapidly degradable.		
Bioaccumulative potential			
Not available.			
Mobility in soil			
Soil/water partition coefficient (Koc)	: Not available.		
Other adverse effects	: No known significant effects or critical h	nazards.	

Section 13. Disposal considerations

Disposal methods
 The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated
UN proper shipping name				-	-	-
Transport hazard class(es)				-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.

Section 14. Transport information

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 14. Transport information

Transport in bulk according : Not available. to Annex II of MARPOL and the IBC Code

Section 15. Regulatory information

U.S. Federal regulations	: TSCA 8(a) PAIR: naphthalene
	TSCA 8(a) CDR Exempt/Partial exemption: Not determined
	Clean Water Act (CWA) 307: toluene; naphthalene; benzo[a]pyrene
	Clean Water Act (CWA) 311: toluene; naphthalene
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Listed
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ

: Not applicable.

SARA 311/312

Classification

: Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Classification
Distillates (petroleum), solvent-	≥10 - ≤25	ASPIRATION HAZARD - Category 1
dewaxed heavy paraffinic		
dioctyl phosphonate	≥10 - ≤25	EYE IRRITATION - Category 2A
Reaction mass of 1H-	≤5	SKIN IRRITATION - Category 2
Benzotriazole-1-methanamine,		SKIN SENSITIZATION - Category 1B
N, N-bis(2-ethylhexyl) -6-methyl-		
and 2H-Benzotriazole-		
2-methanamine, N, N-bis		
(2-ethylhexyl) -5-methyl- and N,		
N-bis(2-ethylhexyl) - 4-methyl-		
1H-benzotriazole-1-methylamine		
and 2H-Benzotriazole -		
2-methanamine, N,N-bis		
(2-ethylhexyl) -4-methyl-and N,N-		
bis(2-ethylhexyl) -5-methyl-1H-		
benzotriazole -1-methylamine		

SARA 313

Section 15. Regulatory information

	Product name	CAS number	%		
Form R - Reporting requirements	benzo[a]pyrene	50-32-8	<0.2		
Supplier notification	No listed substance	No listed substance			
State regulations					
Massachusetts	achusetts : None of the components are listed.				
New York	: None of the components are listed.				
New Jersey	: None of the components are listed.				
Pennsylvania	: The following components are listed: 9-OCTADECENOIC ACID (Z)-				

California Prop. 65

▲ WARNING: This product can expose you to chemicals including Naphthalene, Benzo[a]pyrene, which are known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	Concentration (%)	No significant risk level [' - ' (Dash Symbol) means no Safe Harbor level established]	Maximum acceptable dosage level [' - ' (Dash Symbol) means no Safe Harbor level established]
Toluene	0.0005475	-	7000 μg/day (Ingestion) [Maximum Allowable Dose Levels (MADLs) for reproductive toxicity, California P65 Safe Harbor Levels - Oral]
Naphthalene	<0.00020075	5.8 µg/day [No significant risk level]	-
Benzo[a]pyrene	<0.000073	0.06 μg/day [No significant risk level]	-

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

or exempted.
or exempted.
or exempted.
or exempted.
or exempted.

Validated on 6/18/2018.

Section 15. Regulatory information

Philippines
Republic of Korea
Taiwan
United States

- : All components are listed or exempted.
- : All components are listed or exempted.
- : Not determined.
- : All components are listed or exempted.

Section 16. Other information





Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1	Calculation method Calculation method
History	· · · · · · · · · · · · · · · · · · ·

<u>Instory</u>	
Date of issue/Date of revision	: 6/18/2018
Date of previous issue	: 6/18/2018
Version	: 1.03

Section 16. Other information

Key to abbreviations	 ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	: Not available.

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.