(Material) Safety Data Sheet





Original Preparation Date: 10-Sep-2010

Revision Date: 06-Nov-2013

Revision Number: 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name:

Pure 200 Proof Ethanol, USP Excipient

Contact Manufacturer:

Archer Daniels Midland Company 4666 Faries Parkway Decatur, IL 62526, USA Telephone Number: (+1) 217-424-5200 Emergency response telephone number: Chemtrec 1-800-424-9300 (CCN 1635)

Product Code: 017636

Use of the Substance / Preparation: Excipient

2. HAZARDS IDENTIFICATION

Emergency Overview

Danger. Highly flammable liquid and vapour. Vapors may be irritating to eyes, nose, throat, and lungs. May be harmful if swallowed. Not for human consumption.

Appearance	Physical State	Odor
Clear Bright	Liquid	Characteristic

	Classification according to 29 CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (GHS):				
Serious Eye Damage / Eye Irritation Category 2					

Serieds Eye Damage / Eye imation	
Flammable Liquids	Category 2
OSHA / GHS Label Elements	

Signal Word:	Danger				
GHS Hazard Pictogram(s):					
Hazard Statement(s):	H225 Highly flammable liquid and vapour				
	H319 Causes serious eye irritation				
Prevention Precautionary Stater	nents:				
receiving equipment. Use only r	en flames/hot surfaces No smoking. Keep container tightly closed. Ground/bond container and non-sparking tools. Take precautionary measures against static charges. Wear protective rotection/face protection. Wash hands and exposed skin thoroughly after handling.				
Response Precautionary Statements: If on skin (or hair): Take off immediately, all contaminated clothing. Rinse skin with water. In case of fire: Use Alcohol-resistant foam / dry chemical / carbon dioxide (CO2) to extinguish. Do not use a solid water stream as it may scatter and spread fire. 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 advice.					
Storage Precautionary Stateme	nts:				

Store in a well-ventilated place. Keep cool.

Disposal Precautionary Statements:

Dispose of contents/container in accordance with all applicable national and local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family

Alcohols

The following component(s) in this product are considered hazardous under applicable OSHA (USA), WHMIS (Canada), and/or NOM-002-SCT-2003 (Mexico) regulations

Chemical Name	CAS-No	Volume %	North American Hazard Indicator
Ethyl alcohol	64-17-5	100	OSHA / GHS: Flam. Liq. 2. Eye Irrit. 2. WHMIS: B2. D2B.

Contains less than 0.1% of the following: Methanol. Acetaldehyde. Acetone.

4. FIRST AID MEASURES

Description of first aid measures

General Advice If symptoms persist, call a physician.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.

Skin Contact If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician. Artificial respiration and/or oxygen may be necessary.

Ingestion Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Protection of First-aiders Use personal protective equipment. Remove all sources of ignition.

Most important symptoms and affects, both acute and delayed

Eyes Irritating to eyes. Contact with eyes may cause tearing or redness. Stinging. Burning sensation.

Skin May cause skin irritation. Repeated exposure may cause skin dryness or cracking. Dermal uptake of ethanol is very low. **Inhalation** Inhalation of vapors in high concentration may cause irritation of respiratory system. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. In humans, ethanol is readily absorbed by the oral and inhalation routes, is distributed throughout all tissues and organs and is readily, metabolized and excreted. At exposures relevant to occupational inhalation exposure, the alcohol dehydrogenase metabolic route in the liver dominates and does not become saturated. Ethanol is not accumulated in the body.

Ingestion Ingestion may cause irritation to mucous membranes. May cause drowsiness and dizziness. Lack of coordination. Nausea. Vomiting. Abdominal pain. Unconsciousness. Very severe cases of overexposure my result in coma. **Main Symptoms** Dizziness. Vomiting. Nausea. Coma.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Flammable liquid. Vapors may cause flash fire or explosion. Vapors may form explosive mixtures with air. Material may pose fire hazard because it is dispersed (or spread) by water.

Extinguishing media

Suitable Extinguishing Media Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Evacuate area and fight fire from a safe distance. Cool closed containers exposed to fire with water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture

Hazardous Combustion Products Thermal decomposition can lead to release of irritating gases and vapors, Carbon monoxide (CO), Carbon dioxide (CO₂).

Specific Hazards Arising from the Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Chemical Sensitivity to mechanical impact

Sensitivity to static discharge

No information available.

Advice for fire-fighters

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health 2 Flammability 3 Stability and Reactivity 0 Physical hazard None known



6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Take precautionary measures against static discharges. Pay attention to flashback. Use personal protective equipment.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for Clean-up

Small spills: Allow to evaporate if it is safe to do so or contain and absorb using earth, sand or other inert material then transfer into suitable containers for recovery or disposal. Ventilate contaminated area thoroughly. Use non-sparking tools. Do not use electrical equipment unless it is intrinsically safe.

Large spills: Dike or dam to contain for later disposal. Cover drains. Contact emergency authorities.

7. HANDLING AND STORAGE

Handling

Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. Use product only in closed system.

Storage

Keep in properly labelled containers. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Chemical Name	ACC	SIH TLV	OSHA PEL	MEXICO	NIOSH	
Ethyl alcohol	STEL: 1000 ppm		TWA: 1000 ppm TWA: 1900 mg/m³	TWA: 1000 ppm TWA: 1900 mg/m³	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m ³	
comply with t		uate ventilation, especially he occupational exposure	limits. Ensure that eyewas			
General Hygiene Consid	erations	 showers are close to the workstation location. When using, do not eat, drink or smoke. Regular cleaning of equipment, work area ar clothing. Handle in accordance with good industrial hygiene and safety practice. 				
Personal Protective Equ	ipment					
Eye/face Protection.		Tightly fitting	safety goggles. Face-shie	ld.		
Skin and Body Protection Long sleeved clothing. Chemical resistant apron. Antistatic boots. Appropriate by protection should be selected based on activity and possible exposure. Neopren Please observe the instructions regarding permeability and breakthrough time w provided by the supplier of the gloves. Also take into consideration the specific lo conditions under which the product is used.				bsure. Neoprene gloves. through time which are		
Respiratory Protection	on	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Wear a positive-pressure supplied-air respirator with full facepiece.				
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance **Physical State** Odor **Odor Threshold** Hα

Flash Point Autoignition Temperature Boiling point Melting/Freezing Point **Decomposition temperature Oxidizing Properties** Flammability Limits in Air

Water Solubility **Evaporation Rate** Vapor Pressure Vapor Density Specific Gravity / Relative Density Partition Coefficient (n-octanol/water)

Clear Bright Liquid Characteristic No information available No information available

14 °C / 57 °F (closed cup) No information available 78 °C / 173 °F -114 °C / -173 °F No information available No information available Upper: 19% Lower: 3.3%

Miscible 3.3 [Butyl acetate = 1.0] 44.6 mmHg 1.6 (Air = 1.0) 0.7912 at $60^{\circ}F$ (Water = 1.0) No information available

10. STABILITY AND REACTIVITY

Reactivity May react violently with very strong oxidising agents.

Stability Stable under normal conditions.

Possibility of Hazardous Reactions Hazardous polymerization does not occur.

Conditions to Avoid Heat, flames and sparks. Incompatible products.

Incompatible Materials Strong oxidizing agents. Strong mineral acids. Aluminium at higher temperatures.

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors, Carbon monoxide (CO), Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.							
Chemical Name		Volume %	105	0 Oral		D50 Dermal	LC50 Inhalation
Ethyl alcohol		100		ng/kg Rat	E		Loso initialation
Skin corrosion/irritation		Based on available data, the classification criteria are not met. All available acute 4 hour exposure studies for ethanol show not irritating in animals (OECD404 or equivalent) and humans. In humans, repeated dose studies for ethanol show no irritation with repeated application over a whole day under occlusive conditions for up to 12 days. Further exposures cause irritation to occur.					
Serious eye damage/eye i		cause mod	lerate eye irritation	. All effects di	sappea	cording to OECD g r within 8-14 days. fication as a catego	
Respiratory or skin sensitisation Based on available data, the classification criteria are not met. Mouse swelling study: negative (ethanol) Local Lymph Node Assay (OECD429): Negative (ethanol) Guinea Pig maximisation study: (OECD406) Negative (ethanol) Respiration sensitisation: no data available. (ethanol).							
Germ cell mutagenicity Based on available data, the classification criteria are not met. Bacterial reverse mutation studies (OECD471) for ethanol: all negative In vitro cytogenicity studies (eg OECD473) for ethanol: negative without metabolic activation. No studies available with metabolic activation. In vitro mammalian cell gene mutation studies (OECD476) for ethanol: negative w without metabolic activation. In vivo micronucleus test (OECD474) for ethanol: no convincing evidence that eth causes micronuclei in the bone marrow. In vivo chromosome aberration test (OECD475) for ethanol: negative. Dominant Lethal assay (OECD478): Ethanol is unlikely to produce an effect up to maximum tolerated dose. There is some evidence from in vitro studies that ethanol can cause genotoxic or clastogenic effects. However, the effects seen are weak and only occur at very h The balance of evidence is that ethanol is not genotoxic.					ut metabolic I: negative with and Ince that ethanol effect up to the enotoxic or		
Carcinogenicity		Based on available data, no evidence of carcinogenicity. Rats: NOAEL>3000mg/kg (ethanol) Mice: Females NOAEL>4400mg/kg, Males NOAEL>4250mg/kg based on historic control data, BMDL10=1400mg/kg based on concurrent control data. (ethanol) In humans, the consumption of alcoholic beverages is associated with an increased incidence of certain tumours. There is no evidence that the exposure of humans to ethanol other than by repeated consumption of alcoholic beverages may result in an increase in cancer incidence. The table below indicates whether each agency has listed any ingredient as a carcinogen.					
Chemical Name	Volume		OSHA	NTP		ACGIH	IARC
Ethyl alcohol	100		Present	Knowr)	A3 - Confirmed Anim Carcinogen	-

Reproductive toxicity	Based on available data, the classification criteria are not met FERTILITY (for ethanol):
	NOAEL (oral, mouse) = 13.8g/kg (OECD416 equiv.))
	NOAEC (inhalation, rat) >16,000ppm
	DEVELOPMENTAL TOXICITY (OECD414 equiv):
	NOAEL (oral) = 5.2g/kgbw/day
	NOAEC (inhalation) = 39mg/l .
	Source IUCLID chapter 7.8 summary
	In humans excessive consumption of alcoholic beverages during pregnancy is associated
	with the induction of Fetal Alcohol Syndrome in the offspring causing reduced birth weight
	and physical and mental defect to occur. There is no evidence that such effects might be
	caused by exposures other than direct ingestion of alcoholic drinks. Blood ethanol
	concentrations resulting from ethanol exposure by any route other than deliberate and
	repeated oral consumption are unlikely to reach levels associated with reproductive or
	developmental effects. From the available data, it can be concluded that it is impossible to
	reach the doses of ethanol required to produce any sort of adverse reproductive response
	other than by repeated oral consumption of large amounts of ethanol, doses normally only
	associated with problem drinking, and therefore classification for reproductive or
	developmental toxicity in the context of a chemical substance is not appropriate or
	warranted.
STOT - single exposure	Based on available data, the classification criteria are not met. No specific target organ
	effects observed following single exposure.
STOT - repeated exposure	Based on available data, the classification criteria are not met. In sub-chronic feeding or
	drinking water studies in rats, NOAELs for ethanol ranged from 1.73g/kg to 3.9g/kg. The
	most sensitive affect above these doses appeared to be to the kidney in males. Effects are
	only seen at doses well above the levels that would require classification.
Aspiration hazard	Based on available data, no known aspiration hazard.
Potential health effects	
Eyes	Irritating to eyes. Contact with eyes may cause tearing or redness. Stinging. Burning
,	sensation.
Skin	May cause skin irritation. Repeated exposure may cause skin dryness or cracking. Dermal
	uptake of ethanol is very low.
Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness,
	tiredness, nausea and vomiting. In humans, ethanol is readily absorbed by the oral and
	inhalation routes, is distributed throughout all tissues and organs and is readily,
	metabolized and excreted. At exposures relevant to occupational inhalation exposure, the
	alcohol dehydrogenase metabolic route in the liver dominates and does not become

Ingestion

Main Symptoms

Dizziness. Vomiting. Nausea. Coma.

12. ECOLOGICAL INFORMATION

saturated. Ethanol is not accumulated in the body.

severe cases of overexposure my result in coma.

Ingestion may cause irritation to mucous membranes. May cause drowsiness and

dizziness. Lack of coordination. Nausea. Vomiting. Abdominal pain. Unconsciousness. Very

Ecotoxicity

Component Information:.					
Chemical Name	Fresh Water Algae	Acute Fish Toxicity	Daphnia (Water flea)	Effects on micro-organisms	Other

Ethyl alcohol	Chlorella vulgaris,	LC50 (96hr) Salmo	(48hr) Daphnia	
	72hr: EC50 275mg/l,	gairdneri: 13g/l;	Magna: 12.34g/l;	
	EC10 11.5mg/l;	Pimephales promelas:	NOEC (reproduction,	
	Selenastrum	13.5, 14.2 and 15.3g/l.	21 days): >10mg/l.	
	capricornutum, 72hr,	- -	Ceriodaphnia dubia:	
	EC50: 12.9g/l,		EC50 (48hrs):	
	EC10=0.44g/l;		5.012g/l; NOEC	
	Chlamydomonas		(reproduction, 10	
	eugametos, 48hr,		days): 9.6mg/l.	
	EC50: 18g/l,		Palaemonetes pugio	
	NOEC=7.9g/l		NOEC	
			(developmental, 10	
			days): 79mg/l.	

Bioaccumulative Potential	Based on the partition coefficient, ethanol has a low bioaccumulation potential.				
Chemical Name	log Kow BCF				
Ethyl alcohol		-0.32	2		
Persistence/Degradability	Ethanol is r	eadily biodegradable.	BOD20=84%.	Ethanol is expected to degrade readily in	

Mobility	sewage treatment plants. If released to air or water ethanol will disperse rapidly. If released to soil it will evaporate at a rapid rate. Ethanol is volatile and water soluble. If released to the environment it will
PBT and vPvB assessment	partition to air and water. Ethanol is poorly absorbed on to soil or sediments. The components of this product are not considered to be persistent, bioaccumulating nor toxic (PBT).

13. DISPOSAL CONSIDERATIONS

Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

Waste Disposal Methods	Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction. The classification and disposal method of waste material resulting from this product should be determined by the user at the time of disposal. Seek guidance from a qualified person or service within your local jurisdiction. Can be incinerated, when in compliance with local regulations.
Contaminated Packaging	Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

Domestic transport regulations (USA)

DOT Shipping Description	UN1170, Ethanol, 3, II
UN-No	UN1170
Proper Shipping Name	Ethanol
Hazard Class	3
Packing Group	II
Transport Symbol	<u>A</u>

Domestic transport regulations (Canada) TDG

UN-No	UN1170
Proper Shipping Name	ETHANOL more than 24% ethanol, by volume

Hazard Class Packing Group	3 II						
Domestic transport regulations (Mexico)							
MEX UN-No	UN1170						
••	Etanol						
Proper Shipping Name Hazard Class							
	3 II						
Packing Group	П						
International transport regula	ations						
ICAO							
UN-No	UN1170						
Proper Shipping Name	Ethanol						
Hazard Class	3						
Packing Group	П						
IATA							
UN-No	UN1170						
Proper Shipping Name	Ethanol						
Hazard Class	3						
Packing Group	II						
ERG Code	3L						
IMDG/IMO							
UN-No	UN1170						
Proper Shipping Name	Ethanol (Ethyl alcohol)						
Hazard Class	3						
Packing Group	II						
EmS No.	F-E, S-D						

15. REGULATORY INFORMATION

International Inventories

The components of this product are reported in the following inventories:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENCS ISHL	CHINA	PICCS	KECL	NZIoC
Ethyl alcohol	Yes	Yes	No	Yes 200-578-6	No	Yes	Yes 2-202	Yes	Yes	Yes KE-13217	Yes

USA

Federal Regulations

Ozone Depleting Substances:

No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain chemicals at levels which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372. CERCLA/SARA 103-302

Sections 103-302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (CERCLA/SARA). This product is not known to contain chemicals at levels which are expected to be subject to the reporting requirements of the Act or regulations contained in 40 CFR 103-302

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 63) May contain trace HAPs.

State Regulations

California Proposition 65

Chemical Name	CAS-No	Volume %	Category
Ethyl alcohol	64-17-5	100	Developmental
Methyl alcohol	67-56-1	TRACE (0.015)	Developmental
Acetaldehyde	75-07-0	TRACE (0.002)	Carcinogen

• Ethanol is only considered a Prop 65 chemical as "ethyl alcohol IN alcoholic beverages" and not as used in fuel or industrial applications

State Right-to-Know

Component Information.

Chemical Name	Volume %	Massachusetts	Minnesota	New Jersey	Pennsylvania
Ethyl alcohol	100	Yes	Yes	Yes 0844	Yes
Methyl alcohol	TRACE (0.015)	Yes	Yes	Yes 1222	Yes Environmental hazard
Acetaldehyde	TRACE (0.002)	Yes	Yes	Yes 0001	Yes
Acetone	TRACE (0.0004)	Yes	Yes	Yes 0006	Yes Environmental hazard

Canada

WHMIS Product Classification

B2 - Flammable liquid. D2B - Materials causing other toxic effects, toxic material.

WHMIS Ingredient Disclosure List IDL

Component Information

Chemical Name	Volume %	WHMIS IDL	WHMIS Threshold limits
Ethyl alcohol	100	Listed	0.1%

(NPRI) Canadian National Pollutant Release Inventory Component Information

Chemical Name	Volume %	NPRI
Ethyl alcohol	100	Part 5, Individual Substances Part 4
		Substance

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Mexico

Mexico - Grade

Serious risk, Grade 3

16. OTHER INFORMATION

Prepared By: Original Preparation Date: Revision Date: Revision Number: Reason for revision: ADM Fuels & Industrials 10-Sep-2010 06-Nov-2013 3 New SDS format. This version replaces all previous versions. Abbreviations and acronyms ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values AICS - Australian Inventory of Chemical Substances (Australia) A3 - Animal Carcinogen CAS - Chemical Abstract Service CHINA - Chinese Inventory of Existing Chemical Substances (China) DOT - U.S. Department of Transportation DSL - Domestic Substance List (Canada) EC50 - Half maximal effective concentration EINECS - European Inventory of Existing Commercial Chemical Substances (EU) ELINCS - European List of Notified Chemical Substances (EU) ENCS - Existing and New Chemical Substances (Japan) / ISHL - Industrial Health and Safety Law (Japan) GHS - Globally Harmonized System of Classification and Labelling of Chemicals Group 1 - Carcinogenic to Humans IATA - International Air Transport Association Dangerous Goods Regulations IARC - International Agency for Research on Cancer ICAO - International Civil Aviation Organisation ICL - In Commerce List (Canada) IMDG - International Maritime Dangerous Goods Code IMO - International Maritime Organization KECL - Korean Existing and Evaluated Chemical Substances (Korea) LC50 - Lethal concentration that produces fatalities in 50% of a given test population LD50 - Median lethal dose of a given test population MEX - NOM-002-SCT/2003 List of Hazardous Substances and Materials Most Commonly Transported MEXICO - Mexico Occupational Exposure Limits NDSL - Non Domestic Substances List (Canada) NFPA - National Fire Protection Association NIOSH - National Institute of Occupational Safety and Health NOAEL - No Observed Adverse Effect Level NTP - National Toxicology Program NZIoC - New Zealand Inventory of Chemicals (New Zealand) OECD - Organisation for Economic Co-operation and Development OSHA - Occupational Safety & Health Administration OSHA PEL - Occupational Safety and Health Administration Permissible Exposure Limits PICCS - Inventory of Chemicals and Chemical Substances (Philippines) PNEC - Predicted No-Effect Concentration Present - Carcinogen or potential carcinogen to be identified under OSHA's Hazard Communication Standard STOT - Specific Target Organ Toxicity TDG - Transportation of Dangerous Goods (Transport Canada) TSCA - Toxic Substances Control Act, Section 8(b) Inventory (USA) TWA - Time Weighted Average: Average concentration that should not be exceeded during a work day (usually 8-hours) vPvB - Very Persistent and Very Bioaccumulative WHMIS - Workplace Hazardous Materials Information System

The information provided on this (M)SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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