AZ 400T STRIPPER

Version	Revision Date:	SDS Number:
7.1	27.12.2019	70MDGM697356

SECTION 1. IDENTIFICATION

Product identifier

Product name : AZ 400T STRIPPER

Product number : 697356

Recommended use of the chemical and restrictions on use

Recommended use : Intermediate for electronic industry

Details of the supplier of the safety data sheet

Company : EMD Performance Materials Corp., an Affiliate of Merck KGaA, Darmstadt, Germany, 1200 Intrepid Avenue, Suite 300, Philadelphia, PA 19112, 1-888-367-3275, www.emd-pm.com

Emergency telephone : 1-800-424-9300 CHEMTREC (USA)
1-703-741-5970 CHEMTREC (International)
24 Hours/day; 7 Days/week

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids	:	Category 4
Corrosive to Metals	:	Category 1
Acute toxicity (Oral)	:	Category 4
Acute toxicity (Dermal)	:	Category 3
Skin corrosion	:	Category 1C
Serious eye damage	:	Category 1
Reproductive toxicity	:	Category 1B
Specific target organ toxicity - single exposure	:	Category 1 (Central nervous system)
Specific target organ toxicity	:	Category 3 (Respiratory system)

- single exposure

Specific target organ toxicity - repeated exposure : Category 1 (Liver, thymus gland)

GHS label elements

Hazard pictograms :

Signal Word : Danger

Hazard Statements :

H227 Combustible liquid.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H360 May damage fertility or the unborn child.
H370 Causes damage to organs (Central nervous system).
H372 Causes damage to organs (Liver, thymus gland) through prolonged or repeated exposure.

Precautionary Statements :

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P234 Keep only in original container.
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON

CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P390 Absorb spillage to prevent material damage.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical name	Concentration (% w/w)		CAS-No.
N-methyl-2-pyrrolidone	>= 70 -	< 90	872-50-4
Propane-1,2-diol	>= 20 -	< 30	57-55-6
Tetramethylammonium hydroxide	>= 1 -	< 5	75-59-2

SECTION 4. FIRST AID MEASURES

General advice : First aider needs to protect himself.
TMAH is a severe Neurotoxin causing Ganglion Blockage. Rapid and vigorous decontamination followed by prompt medical respiratory support is needed for anyone that has experienced significant exposure. While the extent of the effects depend upon the exposure concentration, exposure duration and body area contacted; failure to provide prompt

medical intervention in cases of significant exposure may result in fatality.

If inhaled	:	fresh air. Call in physician. Consult a physician. If breathed in, move person into fresh air. If breathing has stopped, apply artificial respiration.
In case of skin contact	:	Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.
In case of eye contact	:	Rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses. Continue rinsing eyes during transport to hospital. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	:	make victim drink water (two glasses at most), avoid vomiting (risk of perforation!). Call a physician immediately. Do not attempt to neutralize. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	Irritation and corrosion Cough Shortness of breath Risk of blindness!
Notes to physician	:	No information available.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media	:	For this substance/mixture no limitations of extinguishing agents are given.
Specific hazards during fire fighting	:	Combustible. Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.
Development of hazardous combustion gases or vapors possible in the event of fire.
May release toxic, irritating and/or corrosive gases.

Further information : Cool closed containers exposed to fire with water spray.
Suppress (knock down) gases/vapors/mists with a water spray jet.
Prevent fire extinguishing water from contaminating surface water or the ground water system.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Avoid breathing vapors and keep upwind.

Special protective equipment for fire-fighters : Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Well closed full protective clothing (coat and pants) including helmet.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Advice for non-emergency personnel:
Do not breathe vapors, aerosols.
Avoid inhalation of vapors/aerosols or dusts.
Avoid substance contact.
Ensure adequate ventilation.
Keep away from heat and sources of ignition.
Evacuate the danger area, observe emergency procedures, consult an expert.
Advice for emergency responders:
Protective equipment see section 8.
Indications about waste treatment see section 13.

Environmental precautions : Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up : Cover drains. Collect, bind, and pump off spills.
Observe possible material restrictions (see sections 7 and 10).
Take up carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static

discharge.

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Do not inhale substance/mixture.
Avoid generation of vapors/aerosols.
Avoid inhalation, ingestion and contact with skin and eyes.
Observe label precautions.

Conditions for safe storage, including any incompatibilities

Conditions for safe storage : No metal containers.

Storage conditions : Risks from decomposition products: see section 10

Tightly closed.
Keep in a well-ventilated place.
Keep locked up or in an area accessible only to qualified or authorized persons.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
N-methyl-2-pyrrolidone	872-50-4	TWA	10 ppm	US WEEL
Propane-1,2-diol	57-55-6	TWA	10 mg/m3	US WEEL

Hazardous components without workplace control parameters

Components	CAS-No.
Tetramethylammonium hydroxide	75-59-2

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
	872-50-4	5-Hydroxy-N-methyl-2-pyrrolidone	Urine	End of shift (As soon as possible after exposure ceases)	100 mg/l	ACGIH BEI

Engineering measures : Ensure that eye flushing systems and safety showers are located close to the working place.
Technical measures and appropriate working operations

should be given priority over the use of personal protective equipment.
See section 7.

Personal protective equipment

Respiratory protection	:	Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. required when vapors/aerosols are generated.
Hand protection Additional Protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products.
Protective measures	:	Flame retardant antistatic protective clothing.
Eye protection	:	Tightly fitting safety goggles Safety glasses with side-shields conforming to EN166
Hygiene measures	:	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	liquid
Color	light yellow dark amber
Odor	musty

Odor Threshold	No information available.
pH	No information available.
Melting point	No information available.
Boiling point	No information available.
Flash point	196 °F (91 °C) Method: KS M 2010:2008
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Vapor pressure	0.2 hPa at 68 °F (20 °C) Method: OECD Test Guideline 104
Relative vapor density	No information available.
Density	1.026 g/cm3 at 77 °F (25 °C)
Relative density	No information available.
Water solubility	at 68 °F (20 °C) soluble
Partition coefficient: n-octanol/water	No information available.
Autoignition temperature	730 °F (388 °C)
Decomposition temperature	No information available.

Viscosity, dynamic	No information available.
Explosive properties	Not classified as explosive.
Oxidizing properties	none
Corrosion	Corrosive to metals

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.
Chemical stability	:	The product is chemically stable under standard ambient conditions (room temperature) .
Possibility of hazardous reactions	:	no information available
Conditions to avoid	:	Strong heating.
Incompatible materials	:	Strong acids and oxidizing agents Metals
Hazardous decomposition products	:	in the event of fire: See section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Product

Carcinogenicity

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

Likely route of exposure
Eye contact, Skin contact

Acute oral toxicity
Acute toxicity estimate: 432.68 mg/kg
Calculation method

Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Acute inhalation toxicity

Symptoms: Cough, Shortness of breath, Possible damages:, damage of respiratory tract

Acute dermal toxicity
Acute toxicity estimate: 752.35 mg/kg
Calculation method

Skin irritation
Result: Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.
Expert judgment

Eye irritation
Result: Risk of serious damage to eyes.
Expert judgment

Mixture causes serious eye damage. Risk of blindness!
Teratogenicity / Reproductive toxicity:
May damage fertility or the unborn child.

Experience with human exposure
Other Relevant Toxicity Information:
No toxicological testing was carried out on the preparation.
Other dangerous properties can not be excluded., This substance should be handled with particular care.

Components

N-methyl-2-pyrrolidone (872-50-4):

Acute oral toxicity
LD50 Rat: 4,150 mg/kg
OECD Test Guideline 401(ECHA)

Acute inhalation toxicity
LC50 Rat: > 5.1 mg/l; 4 h ; aerosol (ECHA)
OECD Test Guideline 403

Acute dermal toxicity
LD50 Rat: > 5,000 mg/kg
OECD Test Guideline 402 (ECHA)

Skin irritation
Rabbit
Result: Skin irritation
OECD Test Guideline 404
(ECHA)

Eye irritation
Rabbit
Result: irritating
OECD Test Guideline 405
(ECHA)

Sensitization
Mouse
Result: Not a skin sensitizer.
Method: OECD Test Guideline 429
(ECHA)

Patch test: Human
Result: negative
(IUCLID)

Germ cell mutagenicity
Genotoxicity in vivo
In vivo micronucleus test
Mouse
Result: negative
Method: OECD Test Guideline 474
(ECHA)

Chromosome aberration test
Chinese hamster
Result: negative
Method: OECD Test Guideline 475
(ECHA)

Genotoxicity in vitro
Ames test
Salmonella typhimurium
Result: negative
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
(ECHA)

In vitro mammalian cell gene mutation test
Chinese hamster ovary cells
Result: negative
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
(ECHA)

unscheduled DNA synthesis assay
mammalian cells
Result: negative
Method: OECD Test Guideline 482
(ECHA)

Reproductive toxicity
Application Route: Oral
Rat
Method: OECD Test Guideline 416
(ECHA)
CMR effects

Teratogenicity:
Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments
STOT-single exposure
Target Organs: Respiratory system
Assessment: May cause respiratory irritation.

Propane-1,2-diol (57-55-6):

Acute oral toxicity
LD50 Rat: 22,000 mg/kg (ECHA)

Acute dermal toxicity
LD50 Rabbit: > 2,000 mg/kg (ECHA)

Skin irritation
Rabbit
Result: slight irritation
(IUCLID)

Eye irritation
Rabbit
Result: slight irritation
(IUCLID)

Sensitization
Local lymph node assay (LLNA) Guinea pig
Result: negative
Method: OECD Test Guideline 429

Germ cell mutagenicity
Genotoxicity in vivo
Mutagenicity (mammal cell test): chromosome aberration.
Rat
Result: negative

Genotoxicity in vitro
Ames test
Result: negative
(IUCLID)

reverse mutation assay
Salmonella typhimurium
Result: negative
Metabolic activation: Metabolic activation

Carcinogenicity
Did not show carcinogenic effects in animal experiments. (IUCLID)

Reproductive toxicity
No impairment of reproductive performance in animal experiments. (Lit.)

Teratogenicity
Did not show teratogenic effects in animal experiments. (Lit.)

Tetramethylammonium hydroxide (75-59-2):

Acute oral toxicity
LD50 Rat: 7.5 mg/kg
OECD Test Guideline 423(ECHA)

Acute dermal toxicity
LD50 Rat: 13 mg/kg (ECHA) Based on human experience.

Skin irritation
Result: Causes burns.
(ECHA)

Eye irritation
Result: Irreversible effects on the eye
(ECHA)

Repeated dose toxicity
Rat
female
Dermal
28 d
daily
NOAEL: 2.5 mg/kg
Local effects, (ECHA)

Rat
male and female
Dermal
28 d
daily
NOAEL: 10 mg/kg
Systemic effects, (ECHA)

Rat
male
Oral

28 d
NOAEL: 5 mg/kg
OECD Test Guideline 407
(ECHA)

Germ cell mutagenicity
Genotoxicity in vitro
Ames test
Result: negative
Method: Mutagenicity (Escherichia coli - reverse mutation assay)
(ECHA)

Chromosome aberration test in vitro
Chinese hamster lung cells
Result: negative
Method: OECD Test Guideline 473
(ECHA)
STOT-single exposure
Target Organs: Central nervous system
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.
Remarks: (ECHA)

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
Product

Persistence and degradability
No information available.

Bioaccumulative potential
No information available.

Mobility in soil
No information available.

Additional ecological information
No ecological testing was carried out on the preparation.
Discharge into the environment must be avoided.

Components

N-methyl-2-pyrrolidone (872-50-4):

Toxicity to fish
static test LC50 Oncorhynchus mykiss (rainbow trout): > 500 mg/l; 96 h
Analytical monitoring: yes(ECHA)

Toxicity to daphnia and other aquatic invertebrates
static test EC50 Daphnia magna (Water flea): > 1,000 mg/l; 24 h
DIN 38412 (ECHA)

Toxicity to algae
static test ErC50 Desmodesmus subspicatus (green algae): > 500 mg/l; 72 h
DIN 38412

Toxicity to bacteria
static test EC50 activated sludge: > 600 mg/l; 0.5 h
ISO 8192

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
semi-static test NOEC Daphnia magna (Water flea): 12.5 mg/l; 21 d

Analytical monitoring: yes

OECD Test Guideline 211

Biodegradability
73 %; 28 d; aerobic
OECD Test Guideline 301C
Readily biodegradable.

Biochemical Oxygen Demand (BOD)
1,100 mg/g (5 d)
(Lit.)

Chemical Oxygen Demand (COD)
1,600 mg/g
(Lit.)

Ratio BOD/ThBOD
BOD1 99 %
(IUCLID)

Partition coefficient: n-octanol/water
log Pow: -0.46 (25 °C)
OECD Test Guideline 107
Bioaccumulation is not expected.

Bioaccumulation
(Bioaccumulation is unlikely.)

Substance does not meets the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

Propane-1,2-diol (57-55-6):

Toxicity to fish
LC50 Oncorhynchus mykiss (rainbow trout): 51,600 mg/l; 96 h
OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates
EC50 Daphnia magna (Water flea): 34,400 mg/l; 48 h (Lit.)

Toxicity to algae
static test EC50 Pseudokirchneriella subcapitata (green algae): 24,200 mg/l; 72 h
Analytical monitoring: yes
OECD Test Guideline 201

Toxicity to bacteria
EC50 Photobacterium phosphoreum: 26,800 mg/l; 30 min (Lit.)

EC50 activated sludge: > 1,000 mg/l; 3 h (Lit.)

Biodegradability
86 %; 20 d
OECD Test Guideline 301D
Readily biodegradable.

87 - 92 %; 28 d
OECD Test Guideline 301C
Readily biodegradable.

Partition coefficient: n-octanol/water
log Pow: -1.07 (20 °C)
Regulation (EC) No. 440/2008, Annex, A.8
Bioaccumulation is not expected.

Surface tension
71.6 mN/m

Stability in water
2.3 y
reaction with hydroxyl radicals (IUCLID)

Tetramethylammonium hydroxide (75-59-2):

Toxicity to fish
LC50 Pimephales promelas (fathead minnow): > 100 mg/l; 96 h
OECD Test Guideline 203 (ECHA) (in analogy to similar compounds)

Toxicity to daphnia and other aquatic invertebrates
EC50 Daphnia magna (Water flea): 3 mg/l; 48 h
OECD Test Guideline 202 (ECHA)

Toxicity to algae
EC50 Pseudokirchneriella subcapitata (green algae): 96.3 mg/l; 72 h
OECD Test Guideline 201 (ECHA)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
NOEC Daphnia magna (Water flea): 0.025 mg/l; 48 h

OECD Test Guideline 202 (ECHA)

Biodegradability
100 %; 28 d
OECD Test Guideline 301B
(ECHA)
Readily biodegradable.

Partition coefficient: n-octanol/water
log Pow: -1.4 (20 °C)
OECD Test Guideline 107
Bioaccumulation is not expected.

Bioaccumulation
(Bioaccumulation is unlikely.)

SECTION 13. DISPOSAL CONSIDERATIONS

Product Waste	:	Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14. TRANSPORT INFORMATION

DOT / 49CFR

UN/ID/NA number	:	UN 1835
Proper shipping name	:	Tetramethylammonium hydroxide solution
Class	:	8
Packing group	:	III
Labels	:	CORROSIVE
ERG Code	:	153
Marine pollutant	:	no
Remarks	:	LTD QTY =< 5 L or 5 KG net capacity, as per 49 CFR 173.154

International Regulations

IATA-DGR

UN/ID No.	:	UN 1835
Proper shipping name	:	Tetramethylammonium hydroxide, solution
Class	:	8
Packing group	:	III
Labels	:	Corrosive
Packing instruction (cargo aircraft)	:	856
Packing instruction (passenger aircraft)	:	852

IMDG-Code

UN number	:	UN 1835
Proper shipping name	:	TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION
Class	:	8

Packing group	:	III
Labels	:	8
EmS Code	:	F-A, S-B
Marine pollutant	:	no
Remarks	:	Ammonium compounds, Alkalis

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

Propane-1,2-diol	57-55-6

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

N-methyl-2-pyrrolidone	872-50-4

Pennsylvania Right To Know

N-methyl-2-pyrrolidone	872-50-4
Propane-1,2-diol	57-55-6

New Jersey Right To Know

N-methyl-2-pyrrolidone	872-50-4
Propane-1,2-diol	57-55-6
Tetramethylammonium hydroxide	75-59-2

California Prop. 65 WARNING: This product can expose you to one or more chemicals 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

N-methyl-2-pyrrolidone 872-50-4

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

DSL : All components of this product are on the Canadian DSL

TSCA : All substances listed on the TSCA Active Inventory.

TSCA list

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:
N-methyl-2-pyrrolidone 872-50-4

SECTION 16. OTHER INFORMATION

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.