



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Complies with OSHA GHS Revision 7 of 2024.

Issuing Date 15-Nov-2024

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Version 1

1. Identification

Product identifier

Product Name Wet / Dry Plastic Roof Cement

Other means of identification

Product Code AIM 320

UN/ID no. NA 1993

Synonyms SEALANT

Recommended use of the chemical and restrictions on use

Recommended Use Used for repairing roofs and roof flashings that are wet or under water. This permits repairs immediately and can prevent more extensive water damage.

Restrictions on use For exterior use only. Do not use indoors.

Details of the supplier of the safety data sheet

Supplier Address

American Industrial Manufacturers of Building Materials
W. Park Blvd
Suite 306-366
Plano, Texas 75093
(214) 254-4720

Emergency telephone number

Company Phone Number (214) 254-4720

Emergency Telephone Call CHEMTREC Day or Night:
Within USA and Canada: 1-800 424-9300
Outside USA and Canada: 1-703-527-3887

2. Hazard(s) identification

Classification

Flammable liquids	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration hazard	Category 1

Hazards not otherwise classified (HNOC)

Not applicable.

Label elements



Danger

Hazard statements

Flammable liquid and vapor.
Causes skin irritation.
Causes eye irritation.
May cause cancer.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood.
Wear protective gloves/clothing and eye/face protection.
Wash face, hands and any exposed skin thoroughly after handling.
Do not breathe dust/fume/gas/mist/vapors/spray.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/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 advice/attention.
If skin irritation occurs: Get medical advice/attention.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Wash contaminated clothing before reuse.
Do NOT induce vomiting.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
In case of fire: Use CO2, dry chemical, or foam to extinguish.

Precautionary Statements - Storage

Store in a well-ventilated place.

Precautionary Statements - Disposal

Disposal should be in accordance with applicable local, regional, and national laws and regulations..

Other Information

No information available.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Common name	Asphalt Roof Cement.
Synonyms	SEALANT.
Chemical nature	Organic solvents and additives.

Chemical name	CAS No.	Weight-%	Trade secret
Asphalt (at Ambient Temperature)	8052-42-4	45-50	*
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	15-25	*
Calcium Carbonate	1317-65-3	15-25	*
Hydrated Aluminum-Magnesium Silicate	12174-11-7	5-10	*
Cellulose Fiber	9004-34-6	5-10	*
Kaolin	1332-58-7	1-5	*
Quartz	14808-60-7	0.2=0.5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice	IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.
Inhalation	Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Ingestion	ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician if necessary. Not an expected route of exposure.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

Symptoms	Difficulty in breathing. Coughing and/ or wheezing. Dizziness.
Effects of Exposure	May cause cancer. May cause damage to organs through prolonged or repeated exposure.

Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. Fire-fighting measures

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol resistant foam.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical	Risk of ignition. Keep product and empty container away from heat and sources of ignition.
Hazardous combustion products	Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	Yes.
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material.
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Methods and material for containment and cleaning up

Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for cleaning up	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling	Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep out of the reach of children.
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8. Exposure controls/personal protection

Control parameters

Exposure Limits

No ACGIH or OSHA PEL is assigned to this mixture.
This product, as supplied, is not believed to contain any hazardous material that exceeds exposure limits established by OSHA.

Exposure limits for the component materials are shown below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Asphalt (at Ambient Temperature) 8052-42-4	TWA: 0.5 mg/m ³ Benzene-soluble aerosol fume, inhalable particulate matter	-	Ceiling: 5 mg/m ³ fume 15 min
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³
Calcium Carbonate 1317-65-3	-	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Hydrated Aluminum-Magnesium Silicate 12174-11-7	TWA: 1 mg/m ³ respirable particulate matter	-	-
Cellulose Fiber 9004-34-6	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 5 mg/m ³ (vacated) STEL: 10 mg/m ³	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust TWA: 1 mg/m ³
Kaolin 1332-58-7	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable particulate matter	TWA: 50 µg/m ³ TWA: 50 µg/m ³ excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays (vacated) TWA: 0.1 mg/m ³ respirable dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust

Biological occupational exposure limits

Chemical name	ACGIH
Asphalt (at Ambient Temperature) 8052-42-4	2.5 µg/L - urine (1-Hydroxypyrene with hydrolysis) - end of shift at end of workweek

Appropriate engineering controls

Engineering controls None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Thick mastic
Color	Black
Odor	Solvent (Mineral Spirits)
Odor threshold	1-30 PPM. Odor thresholds vary greatly. Do not rely on odor threshold alone to determine potentially hazardous substances.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not applicable	7.0
pH (as aqueous solution)		None known
Melting point/freezing point	None / -70 None / -94	Melting Point is not applicable. Freezing points are shown.
Boiling point / boiling range	> 154 °C / 309.2 °F	
Flash point	> 40.5 °C / 104.90 °F	Setaflash
Evaporation rate	0.1	Butly acetate = 1
Flammability (solid, gas)		
Flammability Limit in Air		No data available. Flammable above 105 degrees F and 40.5 degrees C.
Upper flammability limit:	7.0	
Lower flammability limit:	1.6	
Vapor pressure	0.3 (kPa)	@ 20 °C
Vapor density	5.3	Where: Air = 1 at 68 degrees F (20 degrees C)
Relative density	1.18	Water = 1g/ml
Water solubility	No data available Insoluble	Reacts with water to form carbon dioxide
Solubility(ies)	No data available.	Insoluble
Partition coefficient	No data available.	No data available.
Autoignition temperature	330 °C / 626 °F	
Decomposition temperature		
Kinematic viscosity		
Dynamic viscosity	No data available.	@ 25 °C
<u>Other information</u>		
Explosive properties	No information available	
Oxidizing properties	No information available	
Softening point	Not applicable	
Molecular weight	N/A	

VOC Content (%)	Less than 270 g/l.
Density	9.7 to 10.1 lb/gal
Bulk density	Not applicable

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous decomposition products	Combustion may produce carbon monoxide, carbon dioxide, and other asphyxiants.

11. Toxicological information

Information on likely routes of exposure

Product Information	Specific test data for the substance or mixture is not available.
Inhalation	Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. May cause irritation. Causes eye irritation. May cause redness, itching, and pain.
Skin contact	Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes skin irritation.
Ingestion	Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Not an expected route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes.
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Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	5,041.80 mg/kg
ATEmix (dermal)	2,044.70 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapor)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	58.70 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
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Asphalt (at Ambient Temperature) 8052-42-4	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 94.4 mg/m ³ (Rat) 4.5 h
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	-	> 3000 mg/kg (Rabbit)	> 5.5 mg/L (Rat) 4 h
Cellulose Fiber 9004-34-6	> 5 g/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5800 mg/m ³ (Rat) 4 h
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes eye irritation.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Hydrated Aluminum-Magnesium Silicate 12174-11-7	-	Group 2B	-	X
Cellulose Fiber 9004-34-6	-	-	Known	-
Quartz 14808-60-7	A2	Group 1	Known	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

Occupational Safety and Health Administration of the US Department of Labor

X - Present

Reproductive toxicity No information available.

Developmental Toxicity None known for product as a whole.

Teratogenicity None known.

STOT - single exposure No information available.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Target organ effects	Kidney, Respiratory system, Eyes, Skin, Central nervous system, Gastrointestinal tract (GI).
Aspiration hazard	May be fatal if swallowed and enters airways.
Other adverse effects	N/A.
Interactive effects	No information available.

12. Ecological information

Ecotoxicity Not considered to be harmful to aquatic life.

Persistence and degradability N/A.

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Asphalt (at Ambient Temperature) 8052-42-4	6

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations.

Contaminated packaging Do not reuse empty containers. Dispose of in accordance with federal, state and local regulations.

14. Transport information

DOT

Regulated
DOT Ground: Not regulated if containers are less than 119 gallons (450 liters).
DOT Ground: Regulated if shipped in containers >119 gallons (450 liters).

UN/ID no. NA 1993
Proper shipping name Combustible liquid, n.o.s (mineral spirits)
Hazard Class 3
Packing Group III

TDG

UN/ID no. NA 1993
Proper shipping name Combustible liquid, n.o.s (mineral spirits)
Hazard Class 3
Packing Group III

MEX

Regulated

UN/ID no.	NA 1993
Proper shipping name	Combustible liquid, n.o.s. Aerosol
ICAO (air) UN/ID no.	Regulated 1993
IATA UN number or ID number	Regulated 1993
IMDG UN number or ID number	Regulated 1993

15. Regulatory information

International Inventories

TSCA All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) Inventory or are exempt.

Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
Asphalt (at Ambient Temperature)	8052-42-4	Present	Active
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	Present	Active
Calcium Carbonate	1317-65-3	Present	Active
Hydrated Aluminum-Magnesium Silicate	12174-11-7	-	Unknown *
Cellulose Fiber	9004-34-6	Present	Active
Kaolin	1332-58-7	Present	Active
Quartz	14808-60-7	Present	Active

DSL/NDSL All of the components of this product are listed on the DSL.
EINECS/ELINCS All components are listed.
TCSI Contact supplier for inventory compliance status.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
TCSI - Taiwan Chemical Substance Inventory

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Hydrated Aluminum-Magnesium Silicate - 12174-11-7	Carcinogen
Cellulose Fiber - 9004-34-6	Carcinogen
Quartz - 14808-60-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Asphalt (at Ambient Temperature) 8052-42-4	X	X	X
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	X	X	X
Calcium Carbonate 1317-65-3	X	X	X
Cellulose Fiber 9004-34-6	X	X	X
Kaolin 1332-58-7	X	X	X
Quartz 14808-60-7	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA	Health hazards 2	Flammability 2	Instability 0	Special hazards -
HMIS	Health hazards 2 *	Flammability 2	Physical hazards 0	Personal protection -
<i>Chronic Hazard Star Legend * = Chronic Health Hazard</i>				

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend**

SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration

LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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Disclaimer

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.