

# SAFETY DATA SHEET

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NGHS / English



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## 1. IDENTIFICATION

### Product identifier

**Product Name** Arm & Hammer Garbage Disposer Cleaner

### Other means of identification

**Product Code(s)** 1524280

### Recommended use of the chemical and restrictions on use

**Recommended Use** Single Purpose Cleaner

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

**Supplier Identification** CR Brands

**Address** 8790 Beckett Rd.  
West Chester  
Ohio  
45069  
United States

**Telephone** Phone:(513) 860-5039 Ext. 1160  
Fax:(513) 682-5420

**E-mail** ehoffman@onecareco.com

### Emergency telephone number

**Company Emergency Phone Number** (513) 860-5039



## 2. HAZARDS IDENTIFICATION

### Classification

Skin corrosion/irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 2
Flammable liquids	Category 3

**Appearance** Clear to slightly hazy, dark green

**Physical state** Liquid **Odor** Citrus

### GHS Label elements, including precautionary statements

#### Warning

#### Hazard statements

Causes skin irritation  
 May cause an allergic skin reaction  
 Suspected of causing cancer  
 Flammable liquid and vapor



#### **Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing must not be allowed out of the workplace  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ ventilating/ lighting/ equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 Specific treatment (see supplemental first aid instructions on this label)

#### **Skin**

If skin irritation or rash 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

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

May be harmful in contact with skin. Very toxic to aquatic life with long lasting effects.

**Unknown acute toxicity** 98.1 % of the mixture consists of ingredient(s) of unknown toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

93.6 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

98.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

98.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

98.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable.

**Mixture**

Chemical name	CAS No. Weight-% Hazardous Material Information Review Act registry number (HMIRA registry #) Date HMIRA filed and date exemption granted (if applicable)			
Dipentene	138-86-3 88.1 - -			
Pin-2(10)-ene	127-91-3 3 - -			
Citral	5392-40-5 3 - -			
Linalool	78-70-6 1.5 - -			
Geranyl acetate	105-87-3 0.5 - -			
Geraniol	106-24-1 0.2 - -			
7-methyl-3- methyleneocta-1,6-diene	123-35-3 0.2 - -			
.alpha.-Pinene	80-56-8 0.2 - -			

### 4. FIRST AID MEASURES

**First aid measures**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	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. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
<b>Self-protection of the first aider</b>	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 contact with skin, eyes or clothing.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Itching. Rashes. Hives.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the chemical</b>	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	Yes.

**Special protective equipment 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). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other Information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

### 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. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. 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** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 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 grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

### 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 in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the



reach of children.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Limits**

Chemical name	ACGIH TLV OSHA PEL NIOSH IDLH			
Pin-2(10)-ene 127-91-3	TWA: 20 ppm -			
Citral 5392-40-5	TWA: 5 ppm inhalable fraction and vapor S* -			
.alpha.-Pinene 80-56-8	TWA: 20 ppm -			
Chemical name	Alberta British Columbia Ontario TWAEV Quebec			
Pin-2(10)-ene 127-91-3	TWA: 20 ppm TWA: 111 mg/m <sup>3</sup> TWA: 20 ppm TWA: 20 ppm TWA: 20 ppm TWA: 112 mg/m <sup>3</sup>			
Citral 5392-40-5	TWA: 5 ppm Skin			
.alpha.-Pinene 80-56-8	TWA: 20 ppm TWA: 111 mg/m <sup>3</sup> TWA: 20 ppm TWA: 20 ppm TWA: 20 ppm TWA: 112 mg/m <sup>3</sup>			

**Other Exposure Guidelines** See section 15 for national exposure control parameters.

**Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

**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** Handle in accordance with good industrial hygiene and safety practice. 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. Wear suitable gloves and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear to slightly hazy, dark green
<b>Odor</b>	Citrus
<b>Color</b>	No information available
<b>Odor Threshold</b>	No data available

### Property Values

	<u>Remarks</u>	<u>Method</u>
<b>pH</b> UNKNOWN		
<b>Melting / freezing point</b> No data available	None known	
<b>Boiling point / boiling range</b> 40 °C / 104 °F		
<b>Flash Point</b> 49 C / 120 F		
<b>Evaporation Rate</b> No data available	None known	
<b>Flammability (solid, gas)</b> No data available	None known	
<b>Flammability Limit in Air</b>	None known	
<b>Upper flammability limit</b> No data available		
<b>Lower flammability limit</b> No data available		
<b>Vapor pressure</b> No data available	None known	
<b>Vapor density</b> No data available	None known	
<b>Relative density</b> 0.84		
<b>Water Solubility</b> Immiscible in water		
<b>Solubility(ies)</b> No data available	None known	
<b>Partition coefficient: n-octanol/water</b> not applicable		
<b>Autoignition temperature</b> No data available	None known	
<b>Decomposition temperature</b> No data available	None known	
<b>Kinematic viscosity</b> No data available	None known	
<b>Dynamic viscosity</b> No data available	None known	

### Other Information

<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available
<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk Density</b>	No information available
<b>Particle Size</b>	No information available
<b>Particle Size Distribution</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.



<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong acids. Strong bases. Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Irritating to eyes.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. Causes skin irritation. (based on components). Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Information on toxicological effects

<b>Symptoms</b>	Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.
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### Numerical measures of toxicity

#### Acute Toxicity

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

<b>ATEmix (oral)</b>	5,249.00 mg/kg
<b>ATEmix (dermal)</b>	3,072.00 mg/kg

<b>Unknown acute toxicity</b>	98.1 % of the mixture consists of ingredient(s) of unknown toxicity
	0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
	93.6 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
	98.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
	98.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
	98.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### Component Information





Chemical name	Oral LD50 Dermal LD50 Inhalation LC50		
Dipentene	= 5300 mg/kg ( Rat ) - -		
Pin-2(10)-ene	> 5000 mg/kg ( Rat ) = 4700 mg/kg ( Rat ) > 5000 mg/kg ( Rabbit ) -		
Citral	= 4960 mg/kg ( Rat ) = 2250 mg/kg ( Rabbit ) -		
Linalool	= 2790 mg/kg ( Rat ) = 2000 mg/kg ( Rabbit ) = 5610 mg/kg ( Rat ) -		
Geranyl acetate	= 6330 mg/kg ( Rat ) - -		
Geraniol	= 3600 mg/kg ( Rat ) > 5 g/kg ( Rabbit ) -		
7-methyl-3-methylenoocta-1,6-diene	> 5 g/kg ( Rat ) > 5 g/kg ( Rabbit ) -		
.alpha.-Pinene	= 3700 mg/kg ( Rat ) > 5000 mg/kg ( Rat ) -		

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

<b>Skin corrosion/irritation</b>	Classification based on data available for ingredients. Irritating to skin.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	May cause sensitization by skin contact.
<b>Germ cell mutagenicity</b>	No information available.

Chemical name	ACGIH	IARC	NTP	OSHA		

#### Legend

##### IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

##### OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## 12. ECOLOGICAL INFORMATION

**Marine Pollutant** This product contains a chemical which is listed as a marine pollutant according to DOT

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae Toxicity to Fish Toxicity to Microorganisms Daphnia Magna (Water Flea)			
Citral	72h EC50: = 16 mg/L (Desmodesmus subspicatus) 96h EC50: = 19 mg/L (Desmodesmus subspicatus) 96h LC50: 4.6 - 10 mg/L (Leuciscus idus) EC50 = 2100 mg/L 30 min 48h EC50: = 7 mg/L			
Linalool	96h EC50: = 88.3 mg/L (Desmodesmus subspicatus) 96h LC50: 22 - 46 mg/L (Leuciscus idus) - 48h EC50: = 20 mg/L			
.alpha.-Pinene	- 96h LC50: = 0.28 mg/L (Pimephales promelas) - 48h LC50: = 41 mg/L			

**Persistence and Degradability** No information available.

**Bioaccumulation**

#### Component Information

Chemical name	Log Pow
Citral	2.76
Linalool	3.1
.alpha.-Pinene	4.1

**Mobility** No information available.

**Other adverse effects** No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**US EPA Waste Number** D001



California Waste Codes 331

## 14. TRANSPORT INFORMATION

**DOT**

<b>Proper Shipping Name</b>	CONSUMER COMMODITY
<b>Hazard Class</b>	ORM-D
<b>Marine Pollutant</b>	This product contains a chemical which is listed as a marine pollutant according to DOT
<b>Description</b>	CONSUMER COMMODITY, ORM-D
<b>Emergency Response Guide Number</b>	128

**TDG**

<b>UN-No.</b>	UN2052
<b>Proper Shipping Name</b>	DIPENTENE
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	This product contains a chemical which is listed as a marine pollutant according to TDG.
<b>Description</b>	UN2052, DIPENTENE, 3, III

**MEX**

<b>UN-No.</b>	UN2052
<b>Proper Shipping Name</b>	DIPENTENE
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN2052, DIPENTENE, 3, III

**ICAO**

<b>UN-No.</b>	ID8000
<b>Proper Shipping Name</b>	CONSUMER COMMODITY
<b>Hazard Class</b>	9
<b>Description</b>	ID8000, CONSUMER COMMODITY, 9

**IATA**

<b>UN-No.</b>	ID8000
<b>Proper Shipping Name</b>	CONSUMER COMMODITY
<b>Hazard Class</b>	9
<b>ERG Code</b>	9L
<b>Description</b>	ID8000, CONSUMER COMMODITY, 9

**IMDG/IMO**

<b>UN-No.</b>	UN2052
<b>Proper Shipping Name</b>	DIPENTENE



<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>EmS-No.</b>	F-E, S-E
<b>Marine Pollutant</b>	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO
<b>Description</b>	UN2052, DIPENTENE, 3, III, (49°C C.C.)

**RID**

<b>UN-No.</b>	UN2052
<b>Proper Shipping Name</b>	DIPENTENE
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Description</b>	UN2052, DIPENTENE, 3, III
<b>ADR/RID-Labels</b>	3

**ADR**

<b>UN-No.</b>	UN2052
<b>Proper Shipping Name</b>	DIPENTENE
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Tunnel restriction code</b>	(D/E)
<b>Description</b>	UN2052, DIPENTENE, 3, III, (D/E)

**ADN**

<b>UN-No.</b>	UN2052
<b>Proper Shipping Name</b>	DIPENTENE
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Description</b>	UN2052, DIPENTENE, 3, III
<b>Hazard Labels</b>	3
<b>Limited Quantity</b>	5 L
<b>Ventilation</b>	VE01

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

**Ozone-depleting substances (ODS)** Not applicable

**Persistent Organic Pollutants** Not applicable

**Export Notification requirements** Not applicable



**International Inventories**

<b>TSCA</b>	Contact supplier for inventory compliance status.
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status.
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status.
<b>ENCS</b>	Contact supplier for inventory compliance status.
<b>KECL</b>	Contact supplier for inventory compliance status.
<b>PICCS</b>	Contact supplier for inventory compliance status.
<b>AICS</b>	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  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**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. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard 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**

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**U.S. State Right-to-Know Regulations**

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Chemical name	New Jersey Massachusetts Pennsylvania Rhode Island Illinois				
Dipentene 138-86-3	X				
.alpha.-Pinene 80-56-8	X X X				

**16. OTHER INFORMATION**

**NFPA** Health hazards 2  
 Flammability 2  
 Instability 0 Physical  
 and Chemical  
 Properties -

**HMIS** Health hazards 2 \*  
 Flammability 2  
 Physical hazards 0  
 Personal Protection X

*Chronic Hazard Star Legend* \* = Chronic Health Hazard

**Prepared By** CR Brands  
 8790 Beckett Rd.  
 West Chester, Ohio 45069

**Issuing Date** 06/29/19

**Revision Date** 06/29/19

**Revision Note** No information available

**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

**End of Safety Data Sheet**

