# BRANDT

# SAFETY DATA SHEET

### 1. Identification

Product identifier Brandt Agra Sol Turf Mix

Other means of identification

Product code 23010

Recommended use Agricultural/ Horticultural Use- Micronutrient Fertilizer- Refer to product label.

Recommended restrictions Refer to product label.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

**Company name**Address
Brandt Consolidated, Inc.
2935 South Koke Mill Road

Springfield, IL 62711

**United States** 

**Telephone** Corporate Office 1-217-547-5800

Website www.brandt.co E-mail wsds@brandt.co

Contact person EH&S / Regulatory Department

Emergency phone number CHEMTREC (24 hours):

USA, Canada, Puerto Rico 1-800-424-9300 Virgin Islands 1-800-424-9300 International Maritime +1 (703) 527-3887

### 2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 1
Carcinogenicity Category 1A
Reproductive toxicity Category 2
Specific target organ toxicity, repeated Category 2

exposure
Not classified

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements





Signal word Danger

Hazard statement Causes skin irritation. Causes serious eye damage. May cause cancer. Suspected of damaging

fertility or the unborn child. May cause damage to organs through prolonged or repeated

exposure.

**Precautionary statement** 

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after

handling. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** If on skin: Wash with plenty of water. 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. If skin irritation occurs: Get medical advice/attention. Take off contaminated

clothing and wash before reuse.

Storage Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Material name: Brandt Agra Sol Turf Mix 23010 Version #: 01 Issue date: 04-09-2018

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Aluminium Silicate, Hydrated (kaolin)		1332-58-7	20 - < 30*
FERROUS SULFATE		7782-63-0	5 - < 10*
Manganese Sulfate, monohydrate		10034-96-5	5 - < 10*
Disodium Octaborate Tetrahydrate		12008-41-2	3 - < 5*
Zinc Sulfate		7733-02-0	3 - < 5*
Quartz, Dust, Respirable Fraction		14808-60-7	1 - < 3*
Sodium hydroxide, (Na(OH))		1310-73-2	< 0.1*
Other components below reportable	levels		50 - < 60

<sup>\*</sup>Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention immediately.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

attendance.

Most important

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special

treatment needed
General information

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in

# 5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting

equipment/instructions

Use water spray to cool unopened containers.

**Specific methods**Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards** No unusual fire or explosion hazards noted.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Material name: Brandt Agra Sol Turf Mix 23010 Version #: 01 Issue date: 04-09-2018

# Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

### **Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

# 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

# Occupational exposure limits

Components	Туре	Value	Form
Aluminium Silicate, Hydrated (kaolin) (CAS 1332-58-7)	PEL	5 mg/m3	Respirable fraction.
,		15 mg/m3	Total dust.
Manganese Sulfate, monohydrate (CAS 10034-96-5)	Ceiling	5 mg/m3	
Sodium hydroxide, (Na(OH)) (CAS 1310-73-2)	PEL	2 mg/m3	
US. OSHA Table Z-3 (29 CFR 1910.10			_
Components	Туре	Value	Form
Quartz, Dust, Respirable Fraction (CAS 14808-60-7)	TWA	0.3 mg/m3	Total dust.
,		0.1 mg/m3	Respirable.
		2.4 mppcf	Respirable.
US. ACGIH Threshold Limit Values	_		_
Components	Туре	Value	Form
Aluminium Silicate, Hydrated (kaolin) (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Disodium Octaborate Tetrahydrate (CAS 12008-41-2)	STEL	6 mg/m3	Inhalable fraction.
,	TWA	2 mg/m3	Inhalable fraction.
Manganese Sulfate, monohydrate (CAS 10034-96-5)	TWA	0.1 mg/m3	Inhalable fraction.
,		0.02 mg/m3	Respirable fraction
Quartz, Dust, Respirable Fraction (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction
Sodium hydroxide, (Na(OH)) (CAS 1310-73-2)	Ceiling	2 mg/m3	

US. NIOSH: Pocket Guide to Chen Components	nical Hazards Type	Value	Form
Aluminium Silicate, Hydrated (kaolin) (CAS 1332-58-7)	TWA	5 mg/m3	Respirable.
,		10 mg/m3	Total
Manganese Sulfate, monohydrate (CAS 10034-96-5)	STEL	3 mg/m3	Fume.
,	TWA	1 mg/m3	Fume.
Quartz, Dust, Respirable Fraction (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.
Sodium hydroxide, (Na(OH)) (CAS 1310-73-2)	Ceiling	2 mg/m3	

**Biological limit values** 

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** 

Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica

should be monitored and controlled.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

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

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

supplier.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Exposure Limit.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### 9. Physical and chemical properties

**Appearance** 

Physical state Solid.
Form Solid.

Color Not available.
Odor Not available.
Odor threshold Not available.
pH Not available.

Melting point/freezing point 1292 °F (700 °C) estimated Initial boiling point and boiling 1562 °F (850 °C) estimated

range

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

(%)

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 0.00001 hPa estimated

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.
(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

pH in aqueous solution 5 - 7 (10% solution)

# 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

**Hazardous decomposition** 

products

No hazardous decomposition products are known.

## 11. Toxicological information

# Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye damage.

**Ingestion** Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and

toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause

redness and pain.

### Information on toxicological effects

# Acute toxicity

Product	Species	Test Results	
Brandt Agra Sol Turf Mix			
<u>Acute</u>			
Dermal			
LD50	Rabbit	21322 mg/kg estimated	
	Rat	17354 mg/kg estimated	
	Sprague-Dawley rat	19029 mg/kg, 14 days estimated	
Inhalation			
LD50	Rat	43 mg/l estimated	
Oral			
LD100	Mouse	3951 mg/kg estimated	
LD50	Guinea pig	56503 mg/kg estimated	
	Mouse	3817 mg/kg estimated	
	Rat	15996 mg/kg estimated	
	Sprague-Dawley rat	19029 mg/kg, 14 days estimated	

Components Species Test Results

Aluminium Silicate, Hydrated (kaolin) (CAS 1332-58-7)

**Acute** 

Dermal

LD50 Rat > 5000 mg/kg

Oral

LD50 Rat > 5000 mg/kg

Disodium Octaborate Tetrahydrate (CAS 12008-41-2)

Acute Dermal

LD50 Rabbit > 2000 mg/kg

Oral

LD50 Guinea pig 5300 mg/kg

Rat 2550 mg/kg

2 g/kg

Manganese Sulfate, monohydrate (CAS 10034-96-5)

Acute Oral

LD100 Mouse 305 mg/kg

Zinc Sulfate (CAS 7733-02-0)

<u>Acute</u>

**Dermal** 

LD50 Rat > 2000 mg/kg

Oral

LD50 Rat 623 mg/kg

**Skin corrosion/irritation** Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye damage.

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica

inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and

respirable crystalline silica should be monitored and controlled.

IARC Monographs. Overall Evaluation of Carcinogenicity

Quartz, Dust, Respirable Fraction (CAS 14808-60-7) 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

### **US. National Toxicology Program (NTP) Report on Carcinogens**

Quartz, Dust, Respirable Fraction (CAS 14808-60-7) Known To Be Human Carcinogen.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ

toxicity - single exposure

Not classified.

Specific target organ

toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** 

Not an aspiration hazard.

**Chronic effects** 

May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may

be harmful. Prolonged exposure may cause chronic effects.

# 12. Ecological information

**Ecotoxicity** 

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product		Species	Test Results
Brandt Agra Sol Turf N	Mix		
Aquatic			
Crustacea	EC50	Daphnia	283.485 mg/l, 48 hours estimated
Fish	LC50	Fish	396.7242 mg/l, 96 hours estimated
Components		Species	Test Results
Disodium Octaborate	Tetrahydrate (CAS	12008-41-2)	
Aquatic			
Acute			
Crustacea	LC50	Daphnia magna	619 mg/l
Fish	LC50	Pimephales promelas	370 mg/l
Manganese Sulfate, m	nonohydrate (CAS	10034-96-5)	
Aquatic			
Crustacea	EC50	Water flea (Daphnia obtusa)	30.8 - 44.1 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	36.9 mg/l, 96 hours
			29.7 - 52.7 mg/l, 192 hours
Sodium hydroxide, (Na	a(OH)) (CAS 1310-	73-2)	
Aquatic			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	34.59 - 47.13 mg/l, 48 hours
Fish	LC50	Western mosquitofish (Gambusia affinis)	125 mg/l, 96 hours
Zinc Sulfate (CAS 773	33-02-0)		
Aquatic			
Algae	LC50	Green algae (Chlorella vulgaris)	5 mg/l, 24 hours
Crustacea	EC50	Amphipod (Crangonyx pseudogracilis)	15.1 - 24.5 mg/l, 96 hours
		Rotifer (Philodina acuticornis)	0.5 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	10.62 - 11.3 mg/l, 5 days
-		,	0.168 - 0.25 mg/l, 96 hours
		Fish (Lepidocephalichthyes guntea)	76 - 118.8 mg/l, 24 hours
		rish (Ecpluocephalichthyes guntea)	70 110.0 mg/i, 24 mours

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

No data is available on the degradability of this product. Persistence and degradability

**Bioaccumulative potential** No data available. Mobility in soil No data available.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation Other adverse effects

potential, endocrine disruption, global warming potential) are expected from this component.

Material name: Brandt Agra Sol Turf Mix 23010 Version #: 01 Issue date: 04-09-2018

# 13. Disposal considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

### 14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

# 15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

FERROUS SULFATE (CAS 7782-63-0)

Manganese Sulfate, monohydrate (CAS 10034-96-5)

Sodium hydroxide, (Na(OH)) (CAS 1310-73-2)

Zinc Sulfate (CAS 7733-02-0)

Listed.

Listed.

Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

 Chemical name	CAS number	% by wt.
 Manganese Sulfate, monohydrate	10034-96-5	5 - < 10
Zinc Sulfate	7733-02-0	3 - < 5

### Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Manganese Sulfate, monohydrate (CAS 10034-96-5)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

Material name: Brandt Agra Sol Turf Mix 23010 Version #: 01 Issue date: 04-09-2018

### **US** state regulations

# US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed

### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

(a))

Quartz, Dust, Respirable Fraction (CAS 14808-60-7)

Sodium hydroxide, (Na(OH)) (CAS 1310-73-2)

### **US. Massachusetts RTK - Substance List**

Aluminium Silicate, Hydrated (kaolin) (CAS 1332-58-7)

FERROUS SULFATE (CAS 7782-63-0)

Quartz, Dust, Respirable Fraction (CAS 14808-60-7)

Sodium hydroxide, (Na(OH)) (CAS 1310-73-2)

Zinc Sulfate (CAS 7733-02-0)

# US. New Jersey Worker and Community Right-to-Know Act

Aluminium Silicate, Hydrated (kaolin) (CAS 1332-58-7)

Disodium Octaborate Tetrahydrate (CAS 12008-41-2)

Manganese Sulfate, monohydrate (CAS 10034-96-5)

Quartz, Dust, Respirable Fraction (CAS 14808-60-7)

Sodium hydroxide, (Na(OH)) (CAS 1310-73-2)

Zinc Sulfate (CAS 7733-02-0)

### US. Pennsylvania Worker and Community Right-to-Know Law

Aluminium Silicate, Hydrated (kaolin) (CAS 1332-58-7)

FERROUS SULFATE (CAS 7782-63-0)

Quartz, Dust, Respirable Fraction (CAS 14808-60-7)

Sodium hydroxide, (Na(OH)) (CAS 1310-73-2)

Zinc Sulfate (CAS 7733-02-0)

#### **US. Rhode Island RTK**

FERROUS SULFATE (CAS 7782-63-0)

Manganese Sulfate, monohydrate (CAS 10034-96-5)

Sodium hydroxide, (Na(OH)) (CAS 1310-73-2)

Zinc Sulfate (CAS 7733-02-0)

### **US. California Proposition 65**



WARNING: This product can expose you to chemicals including arsenic, cadmium, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Quartz, Dust, Respirable Fraction (CAS 14808-60-7) Listed: October 1, 1988

### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing

# 16. Other information, including date of preparation or last revision

Issue date 04-09-2018

Version # 01

country(s).

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of Manufacturer's knowledge, information and belief at the date of its publication; however, it is provided only as a guidance for safe handling, use, processing, storage, transportation, disposal and release of the Product. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made with respect to the Product or the information provided herein, or that the Product or information herein may be used without infringing the intellectual property rights of others. The information provided in this Safety Data Sheet relates only to the specific Product designated and may not be valid if the Product is used in combination with other materials or in any other process, unless specified herein. The user assumes all risk and liability for loss, injury, damage or expense due to any use, handling, storage or disposal of the Product, and Manufacturer recommends that the user conducts its owns tests of the Product to determine suitability of the Product for user's particular use.