SAFETY DATA SHEET

Issue Date 28-May-2009 **Revision Date** 08-July-2014 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name Benzyldimethylamine

Other Means of Identification
SDS # LC-055

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Catalyst

Details of the Supplier of the Safety Data Sheet
Supplier Address
Lindau Chemicals, Inc.
731 Rosewood Drive
Columbia, SC 29201

Emergency Telephone Number
Company Phone Number Phone: 1-803-799-6863
Fax: 1-803-256-3639
Emergency Telephone INFOTRAC 01-352-323-3500 (International)
1-800-457-4280 (North America)

2. HAZARDS IDENTIFICATION

OSHA/HCS Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification

Flammable Liquids	Category 3
Acute Toxicity: Oral	Category 4
Acute Toxicity: Inhalation	Category 3
Acute Toxicity: Skin	Category 4
Skin Corrosion/Irritation	Category 1B
Serious Eye Damage/Eye Irritation	Category 1
Aquatic Hazard (Acute)	Category 3
Aquatic Hazard (Long-term)	Category 3

Signal Word
Danger

Hazard Statements
Flammable liquid and vapor
Toxic if inhaled
Harmful if swallowed or in contact with skin
Causes severe skin burns and eye damage
Harmful to aquatic life
Harmful to aquatic life with long lasting effects

Appearance Colorless liquid **Physical State** Liquid **Odor** Characteristic

Precautionary Statements - Prevention
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking
Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
Use non-sparking tools.
Take action to prevent static discharge.
Ground and bond container and receiving equipment.
Keep container tightly closed.
Do not breathe vapor.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves, protective clothing and eye protection.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.

Precautionary Statements - Response
In case of fire: Use dry chemical, CO_2 or foam to extinguish.
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 or doctor/physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

Precautionary Statements - Storage
Store in a well-ventilated place. Store locked up. Keep container tightly closed. Keep cool.

Precautionary Statements - Disposal
Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards Not Otherwise Classified (HNOC)
None known

Other Hazards
Harmful to aquatic life with long lasting effects
Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms N,N-dimethylbenzylamine, N,N-dimethylbenzenemethanamine
Formula $C_9H_{13}N$

Chemical Name	CAS No	Weight-%
Benzyldimethylamine	103-83-3	>99

** If Chemical Name/CAS No is “proprietary” and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST AID MEASURES

First Aid Measures

Inhalation Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Eye Contact Seek medical attention immediately. Call a poison center or physician. Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Check for and remove any contact lenses. Chemical burns must be treated promptly by a physician.

Ingestion Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.

Skin Contact Get medical attention immediately. Call a poison center or physician. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Wash affected area with plenty of soap and water. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Most Important Symptoms andEffects, both Acute and Delayed

Potential Acute Health Effects

Inhalation Toxic if inhaled. May give off gas or vapor that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Eye Contact Causes serious eye damage

Ingestion Harmful if swallowed. May cause burns to mouth, throat and stomach.

Skin Contact Causes severe burns. Harmful in contact with skin.

Over-exposure Signs/Symptoms

Inhalation	No specific data
Eye Contact	Adverse symptoms may include the following: pain, watering, redness.
Ingestion	Adverse symptoms may include the following: stomach pains.
Skin Contact	Adverse symptoms may include the following: pain or irritation, redness, blistering.

Indication of Any Immediate Medical Attention and Special Treatment Needed (if Necessary)

Note to Physician	Symptomatic and supportive therapy as needed. Following severe exposure, continue medical monitoring for at least 48 hours.
Protection of First-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See Toxicological Information (Section 11)

5. FIRE-FIGHTING MEASURES

Flash Point	Closed cup: 53.6 to 54.4°C (128.5 to 129.9°F)
Flammability Limits	Lower: 0.9% Upper: 6.3%

Extinguishing Media

Suitable Media	Use dry chemical, CO_2 or foam.
Unsuitable Media	Do not use water jet.

Specific Hazards Arising from the Chemical

Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is harmful to aquatic life with long-lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products Carbon dioxide, carbon monoxide, nitrogen oxides, nitric acid

Special Protective Actions for Fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special Protective Equipment for Fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Remark Not explosive

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-emergency Personnel No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For Emergency Responders If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information above "For Non-emergency Personnel."

Environmental Precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and Materials for Containment and Cleaning Up

Methods for Containment Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas.

Methods for Cleaning Up Wash spillages into an effluent treatment plant or proceed as follows: Contain and collect spillage with non-combustible, absorbent material, e.g., sand, earth, vermiculite or diatomaceous earth, and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: See Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

General Occupational Hygiene Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for Safe Storage (Including any Incompatibilities)

Store in accordance with local regulations. Store in segregated and approved areas. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Engineering Controls Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas or vapor concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental Exposure Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual Protection Measures

Hygiene Measures Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or vapors. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand Protection Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body Protection Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other Skin Protection Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Thermal Hazards Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid		
Appearance	Colorless liquid	**Odor**	Sweet
Color	Colorless	**Odor Threshold**	Not available.

Property	**Values**	**Remarks/Method**
pH	10	10 g/l, 20 °C (68 °F)
Melting Point/Freezing Point	-75 °C (-103 °F)	
Boiling Point/Condensation point	180 °C (356 °F)	
Flash Point	53.6 to 54.4 °C (128.5 to 129.9 °F)	Closed cup
Evaporation Rate	Not available	
Flammability (Solid, Gas)	Not available	
Upper Flammability Limit	6.3%	
Lower Flammability Limit	0.9%	
Vapor Pressure	0.8 kPa (6 mm Hg)	25 °C (77 °F)
Vapor Density	Not available	
Relative Density	0.9 g/ml	25 °C (77 °F)
Water Solubility	Slightly Soluble	
Water Solubility Result	1.2 g / 100 ml	25 °C (77 °F)
Partition Coefficient (n-Octanol/Water)	log P_{ow} = 1.98	
Auto-Ignition Temperature	250 °C (482 °F)	
Decomposition Temperature	Not available	
Explosive Properties	Not explosive	
Oxidizing Properties	None	
Dynamic Viscosity	3.43 cP	25 °C (77 °F)

10. STABILITY AND REACTIVITY

Reactivity
No specific test data related to reactivity are available for this product or its ingredients.

Chemical Stability
The product is stable.

Possibility of Hazardous Reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid
Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible Materials
Oxidizing agents. Strong acids. Acid chlorides.

Hazardous Decomposition Products
Under normal conditions of storage and use, hazardous decomposition products should not be produced. If heated, product may decompose to create carbon dioxide, carbon monoxide, nitrogen oxides and nitric acid.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Product Name	Test	Endpoint	Species	Result
Benzyldimethylamine 103-83-3	No official guidelines No official guidelines No official guidelines	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat – Male, Female Rabbit – Male Rat – Male, Female	2.06 mg/L 1,660 mg/kg 579 mg/kg

Irritation/Corrosion

Product Name	Test	Species	Result
Benzyldimethylamine 103-83-3	OECD 404 Acute Dermal Irritation/Corrosion No official guidelines	Rabbit Rabbit	Skin – Corrosive Eyes – Severe irritant

Conclusion/Summary

Skin Benzyldimethylamine Corrosive to the skin

Eyes Benzyldimethylamine Severely irritating to eyes

Sensitization

Product Name	Test	Route of Exposure	Species	Result
Benzyldimethylamine 103-83-3	OECD 406 Skin Sensitization	Skin	Guinea pig	Not sensitizing

Mutagenicity

Product name	Test	Result
Benzyldimethylamine 103-83-3	Experiment: in vitro; Subject: Bacteria; Metabolic activation: +/– Experiment: in vitro: Subject: Mammalian – Animal Experiment: in vitro: Subject: Mammalian – Animal; Cell: Somatic	Negative Negative Negative

Conclusion/Summary No mutagenic effect

Carcinogenicity
Not available

Reproductive Toxicity
In accordance with section 1 of Regulation (EC) No 1907/2006, Annex XI, this test does not appear scientifically necessary.

Teratogenicity
Not available

Specific Target Organ Toxicity (Single Exposure)
Not available

Specific Target Organ Toxicity (Repeated Exposure)
Not available

Aspiration Hazard
Not available

Information on the Likely Routes of Exposure Not available

Potential Acute Health Effects

Inhalation Toxic if inhaled. May give off gas or vapor that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Eye Contact Causes serious eye damage

Ingestion Harmful if swallowed. May cause burns to mouth, throat and stomach.

Skin Contact Causes severe burns. Harmful in contact with skin.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Inhalation No specific data

Eye Contact Adverse symptoms may include the following: pain, watering, redness.

Ingestion Adverse symptoms may include the following: stomach pains.

Skin Contact Adverse symptoms may include the following: pain or irritation, redness, blistering.

Delayed and Immediate Effects and also Chronic Effects from Short-term and Long-term Exposure

Short-term Exposure

Potential Immediate Effects Not available

Potential Delayed Effects Not available

Long-term Exposure

Potential Immediate Effects Not available

Potential Delayed Effects Not available

Potential Chronic Health Effects

Product Name	Test	Endpoint	Species	Result
Benzyldimethylamine 103-83-3	OECD 407 Repeated Dose 28-day Oral Toxicity Study in Rodents	Sub-acute NOAEL Oral	Rat – Male, Female	150 mg/kg

General No known significant effects or critical hazards

Carcinogenicity No known significant effects or critical hazards

Mutagenicity No known significant effects or critical hazards

Teratogenicity No known significant effects or critical hazards

Developmental Effects No known significant effects or critical hazards

Fertility Effects No known significant effects or critical hazards

Acute Toxicity Estimates

Route	ATE Value
Dermal	1,100 mg/kg

Other Information Not available

12. ECOLOGICAL INFORMATION

Toxicity

Product Name	Test	Endpoint	Exposure	Species	Result
Benzyldimethylamine 103-83-3	DIN DIN 38412 Part 8	Acute EC50	17 hours Static	Bacteria	749.6 mg/l
	EU EC C.2 Acute Toxicity for Daphnia	Acute EC50	48 hours Static	Daphnia	>100 mg/l
	EU EC C.3 Algal Inhibition Test	Acute ErC50 (growth rate)	72 hours Static	Algae	1.34 mg/l
	OECD 203 Fish Acute Toxicity Test	Acute LC50	96 hours Static	Fish	37.8 mg/l
	DIN DIN 38412 Part 8	Chronic EC10	17 hours Static	Bacteria	534 mg/l
	EU EC C.3 Algal Inhibition Test	Chronic LOAEL	72 hours Static	Algae	0.24 mg/l
	EU	Chronic NOEC	21 days Semi-static	Daphnia	0.789 mg/l

Conclusion/Summary Harmful to aquatic organisms if run directly to surface waters

Persistence and Degradability

Product Name	Test	Period	Result
Benzyldimethylamine 103-83-3	OECD 301C Ready Biodegradability – Modified MITI Test (I)	28 days	0 to 2%

Product Name	Aquatic Half-life	Photolysis	Biodegradability
Benzyldimethylamine 103-83-3			Not readily

Conclusion/Summary Not readily biodegradable

Bioaccumulative Potential

Product Name	log P_{ow}	Bioconcentration Factor (BCF)	Potential
Benzyldimethylamine 103-83-3	1.98	2.1 to 6.4	low

Mobility in Soil
Not available

Other Adverse Effects
No known significant effects or critical hazards

Other Ecological Information

BOD5 Not determined

COD Not determined

TOC Not determined

13. DISPOSAL CONSIDERATIONS

Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe manner. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

14. TRANSPORT INFORMATION

Shipping Name by Regulatory Entity

DOT	Benzyldimethylamine
IMDG	Benzyldimethylamine
IATA	Benzyldimethylamine

Regulatory Information	UN Number	Classes	Packing Group	Label
DOT Classification	UN-2619	8 (3)	II	
IMDG Classification	UN-2619	8 (3)	II	
IATA Classification	UN-2619	8 (3)	II	

Note

Please see current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations Specific for the Product

United States Federal Regulations

TSCA 8(b) Inventory	All components are listed or exempted.
TSCA 5(a)2 Final Significant New Use Rule (SNUR)	No ingredients listed
TSCA 5(e) Substance Consent Order	No ingredients listed
TSCA 12(b) Export Notification	No ingredients listed
SARA 311/312	Fire hazard. Immediate (acute) health hazard.
Clean Air Act – Ozone-Depleting Substances (ODS)	This product does not contain nor is it manufactured with ozone-depleting substances.
SARA 313	No ingredients listed
CERCLA Hazardous Substances	No ingredients listed

United States State Regulations

Pennsylvania – RTK	No ingredients listed
California Proposition 65	This product contains no listed substances, known to the state of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under the statute.

Canadian Regulations

CEPA DSL	All components are listed or exempted.
WHMIS Classes	Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F) Class E: Corrosive material

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

Brazil Regulations

Classification System Used	Norma ABNT-NBR 14725-2:2012

International Inventories

Australia Inventory (AICS)	All components are listed or exempted.
China Inventory (IECSC)	All components are listed or exempted.
Japan Inventory (ENCS)	All components are listed or exempted.
Korea Inventory (KECI)	All components are listed or exempted.
Malaysia Inventory (EHS Register)	Not determined
New Zealand Inventory of Chemicals (NZIoC)	All components are listed or exempted.
Philippines Inventory (PICCS)	All components are listed or exempted.
Taiwan Inventory (CSNN)	Not determined

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	3	2	1	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	3	2	1	Not determined

Issue Date	28-May-2009
Revision Date	08-July-2014
Revision Note	New format

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 guide 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