

TerraCair by Brenntag
UltraPure DEF**1 PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAMES: TerraCair by Brenntag,
UltraPure DEFSUPPLIER: BRENNTAG NORTH AMERICA INC.
5083 POTTSVILLE PIKE
READING, PA
PHONE NUMBER: 1-866-363-5843**2 HAZARD IDENTIFICATION****WARNING:** Causes skin irritation. Causes eye irritation. Harmful if swallowed.**Prevention:**

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe mists. Use proper personal protective equipment.

Response:

IF ON SKIN: Wash with plenty of water for at least 15 minutes. If skin irritation occurs: get medical advice. Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists: Get medical attention.

IF SWALLOWED: Call a doctor/physician if you feel unwell. Rinse mouth.

Storage:

Store in a cool dry place out of sunlight between 12 deg. F (11 deg C) and 86 deg F (30 deg C)

Disposal:

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Read and understand this complete Safety Data Sheet for this product before handling.

3 COMPOSITION/INFORMATION ON INGREDIENTS

EXPOSURE LIMITS, PPM

COMPONENT	TWA	STEL	PEL	IDLH	CAS NO.
UREA WATER	25 ---	35 NONE ESTABLISHED	50 ---	300 ---	57-13-6 7732-18-5

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IF INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 30 MINUTES, LIFTING THE UPPER AND LOWER LIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF SKIN CONTACT: IMMEDIATELY WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES; WASH BEFORE RE-USE. GET MEDICAL ATTENTION.

IF SWALLOWED: DO NOT INDUCE VOMITING. IF CONSCIOUS GIVE 2 GLASSES OF WATER OR MILK. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

5 FIRE FIGHTING MEASURES

FLASH POINT, DEG F: N/A
METHOD USED: TCC

FLAMMABLE LIMITS IN AIR, % (VOL)
LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: WATER, CARBON DIOXIDE, FOAM, POWDER EXTINGUISHER.

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR PROTECTIVE CLOTHING AND NIOSH APPROVED RESPIRATOR.

UNUSUAL FIRE AND EXPLOSION HAZARDS: WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL THE FIRE IS OUT. MATERIAL IS NOT CONSIDERED FLAMMABLE BUT THE RESIDUE MAY BURN IN THE PRESENCE OF A STRONG IGNITION SOURCE AFTER THE WATER HAS BEEN EVAPORATED.

6 ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS OR LEAKS: WEAR PROTECTIVE CLOTHING. DIKE AND CONTAIN SPILL, WITH INERT ABSORBENT MATERIAL. REMOVE SPILLED MATERIAL TO CONTAINERS FOR RECOVERY/DISPOSAL. SOAK UP RESIDUE (SMALL SPILLS) ABSORB ON INERT MATERIAL AND PLACE IN CONTAINERS FOR DISPOSAL.

COMPLY WITH ALL APPLICABLE GOVERNMENTAL REGULATIONS ON SPILL REPORTING AND HANDLING AND DISPOSAL OF WASTE.

7 HANDLING & STORAGE

HANDLING AND STORAGE PRECAUTIONS: STORE IN A COOL DRY PLACE OUT OF SUNLIGHT BETWEEN 12 DEG. F(11 DEG C) AND 86 DEG F (30 DEG C)

OTHER PRECAUTIONS: CAUTION! CONTACT WITH EYES, SKIN AND MUCOUS MEMBRANES MAY CAUSE IRRITATION.
* AVOID CONTACT WITH EYES, SKIN AND CLOTHING * AVOID BREATHING MIST OR DUST
* USE WITH ADEQUATE VENTILATION

REPAIR AND MAINTENANCE PRECAUTIONS: DO NOT CUT, GRIND, WELD, OR DRILL ON OR NEAR CONTAINERS.

OTHER PRECAUTIONS: CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL. CONTACT WITH ALUMINUM PARTS IN A PRESSURIZABLE FLUID SYSTEM MAY CAUSE VIOLENT REACTIONS. CONSULT EQUIPMENT SUPPLIER FOR FURTHER INFORMATION.

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VENTILATION: ORDINARILY, NATURAL VENTILATION IS ADEQUATE. IF MISTING, MECHANICAL (GENERAL) VENTILATION IS GENERALLY ADEQUATE.

RESPIRATORY PROTECTION: NOT GENERALLY REQUIRED. IF MISTY CONDITION PREVAILS, WEAR NIOSH APPROVED MIST RESPIRATOR.

EYE PROTECTION: CHEMICAL GOGGLES WITH FULL FACE SHIELD. CONTACT LENSES SHOULD NOT BE WORN.

PROTECTIVE CLOTHING: NOT GENERALLY REQUIRED.

OTHER PROTECTIVE MEASURES: AN EYEWASH AND SAFETY SHOWER SHOULD BE NEARBY, UNOBSTRUCTED AND READY FOR USE. PROTECTIVE EQUIPMENT SHOULD BE SELECTED, USED, AND MAINTAINED ACCORDING TO APPLICABLE STANDARDS.

9 CHEMICAL AND PHYSICAL PROPERTIES

BOILING POINT, DEG F: >223

MELTING POINT, DEG F: N/A

SPECIFIC GRAVITY (WATER=1): 1.14

APPEARANCE AND ODOR: CLEAR,
COLORLESS LIQUID WITH AMMONIA ODOR

VAPOR PRESSURE, MM HG/20 DEG C: WATER VAPOR

VAPOR DENSITY (AIR=1): WATER VAPOR

WATER SOLUBILITY, %: COMPLETE

VAPORATION RATE (BUTYL ACETATE=1):WATER VAPOR

10 STABILITY AND REACTIVITY

STABILITY: STABLE

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: HEATING ABOVE 266°F

MATERIALS TO AVOID: SODIUM NITRITE, PHOSPHORUS PENTACHLORIDE, AND NITROSYLPERCLORATE. MAY REACT WITH NITRATES, ALKALIES, OXIDIZING AGENTS, HYPOCHLORITE, ALDEHYDES, INORGANIC ACIDS, ALEFINS, AND POLYMERIZABLE ESTERS. CORROSIVE TO COPPER AND COPPER ALLOYS.

HAZARDOUS DECOMPOSITION PRODUCTS: ABOVE 266°F DECOMPOSITION STARTS WITH FORMATION OF AMMONIA, CYANURIC ACID, CYANIC ACID, CARBON DIOXIDE, BIURET, AND NITROGEN OXIDES.

11 TOXICOLOGICAL INFORMATION**UREA:**

ORAL: RAT LD50 = 14,300-15,000 MG/KG

DERMAL: NO DATA AVAILABLE

INHALATION: NO DATA AVAILABLE

12 ECOLOGICAL INFORMATION

ECOLOGICAL TESTING HAS NOT BEEN CONDUCTED ON THIS PRODUCT BY BRENNTAG

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UltraPure DEF**13 DISPOSAL INFORMATION**

DISPOSAL METHODS: DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE, AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

NOTE: EMPTY CONTAINERS CAN HAVE RESIDUES, GASES, AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL AS ABOVE.

14 TRANSPORTATION INFORMATION

NOT REGULATED BY DOT

15 REGULATORY INFORMATION**SECTION 313 SUPPLIER NOTIFICATION**

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
NONE		

“US TOXIC SUBSTANCE CONTROL ACT (TSCA) – ALL INGREDIENTS LISTED”

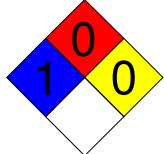
16 OTHER INFORMATION**HAZARD RATING (NFPA 704)**

HEALTH: 1

FIRE: 0

REACTIVITY: 0

SPECIAL: NONE

**HAZARD RATING SCALE:**

0=MINIMAL 3=SERIOUS

1=SLIGHT

4=SEVERE

2=Moderate



SAFETY DATA SHEET

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Page 5 of 5
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*****END OF MSDS*****