



# Wastewater Residuals



## Safety Data Sheet

according to OSHA Hazard Communication Standard (HCS) 2012

Date of issue: 05/01/2019

Version: 0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

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##### Product Identity

WASTEWATER RESIDUALS

##### Alternate Names

SLUDGE, PAPER MILL SLUDGE, NUTRI-GROW ORGANIC  
MATTER AMENDMENT

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Intended use

Potential uses include land application as organic matter amendment, organic fuel, compost ingredient, or raw material for paper fiber based recycled products.

##### Application Method

For use at appropriately permitted facilities or lands only.

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

##### Company Name

Essity Professional Hygiene North America  
P.O. Box 2400  
Neenah, WI 54957-2400

#### 1.4. Emergency telephone number

##### CHEMTREC (USA)

(800) 424-9300

##### Customer Service: Essity Professional Hygiene North America

1-866-722-8675

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

No applicable GHS categories.

Other Ingredients:	Min. %	Max. %
Water	45	75
CLAY (ALUMINUM SILICATE, TITANIUM DIOXIDE, CALCIUM CARBONATE	NA	25
Wood / Paper Fiber	NA	75
Carbon content	20	35
Ash content	40	65
Calcium Carbonate	25	50

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

##### [Prevention]:

No GHS prevention statements

##### [Response]:

No GHS response statements

##### [Storage]:

No GHS storage statements

##### [Disposal]:

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No GHS disposal statements

### 2.3. Other hazards

THIS PRODUCT IS A BYPRODUCT THAT MAY BE LANDFILLED OR BENEFICIALLY REUSED AS A FUEL SOURCE, AS AN ORGANIC SUPPLEMENT IN LAND APPLICATION, OR IN THE PRODUCTION OF MISCELLANEOUS PAPER FIBER BASED PRODUCTS (e.g. ABSORBENT PELLETS). NORMAL ENCOUNTERS WITH THIS MATERIAL SHOULD NOT PRODUCE ANY HAZARDOUS SITUATIONS. AS WITH ALL NON-FOOD GRADE MATERIALS, HOWEVER, USE GLOVES AND WEAR SAFETY GLASSES TO MINIMIZE EXPOSURE.

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
None			

WASTEWATER TREATMENT SLUDGE IS MADE UP OF RESIDUAL WATER AND SOLIDS GENERATED FROM THE PAPER MAKING AND DEINKING PROCESSES. THESE SOLIDS INCLUDE WOOD FIBERS, CLAYS, DIRTS AND POSSIBLY SMALL VOLUMES OF OTHER CONTAMINANTS SUCH AS STAPLES, PLASTICS, STYROFOAM, PIGMENTS, ETC. THE LIQUID PORTION OF THE SLUDGE IS PRIMARILY WATER BUT CAN ALSO HAVE LOW CONCENTRATIONS OF RESIDUAL CHEMICAL CONTAMINANTS SUCH AS POLYMERS OR COAGULANTS THAT ARE COMMONLY USED IN WASTEWATER TREATMENT PROCESSING AND DEWATERING

**NOTE:** WHILE WASTEWATER SLUDGE DOES NOT TYPICALLY CONTAIN HYDROGEN SULFIDE, DEGRADED SLUDGE CAN POTENTIALLY GENERATE HYDROGEN SULFIDE VAPORS. PRECAUTIONS SHOULD BE TAKEN TO AVOID STORING SLUDGE FOR PROLONGED PERIODS OF TIME IN A CLOSED OR CONFINED AREA THAT COULD TRAP POTENTIAL HYDROGEN SULFIDE VAPORS.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### 3.2. Mixture

No additional information available

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	SINCE WASTEWATER SLUDGE IS A SOLID, INHALATION IS NOT AN EXPECTED ROUTE OF ENTRY.
<b>Eyes</b>	NO HEALTH EFFECTS KNOWN OR ANTICIPATED; HOWEVER, IF PRODUCT SHOULD COME IN CONTACT WITH THE EYES, FLUSH WITH PLENTY OF WATER. SEEK MEDICAL ATTENTION IF ANY SOLID PARTICLES REMAIN IN EYES OR THE EYES BECOME IRRITATED.
<b>Skin</b>	NO HEALTH EFFECTS KNOWN OR ANTICIPATED; HOWEVER, IF PRODUCT COMES IN CONTACT WITH SKIN, IT COULD POTENTIALLY BECOME IRRITATED; WASH WITH SOAP AND WATER; SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.
<b>Ingestion</b>	NO HEALTH EFFECTS KNOWN OR ANTICIPATED; IN NORMAL USE OF PRODUCT, INGESTION IS UNLIKELY; HOWEVER, SHOULD THE PRODUCT BE INGESTED, SEEK MEDICAL ATTENTION IF ADVERSE HEALTH EFFECTS ARE EXPERIENCED.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	THIS PRODUCT IS A BYPRODUCT THAT MAY BE LANDFILLED OR BENEFICIALLY REUSED AS A FUEL SOURCE, AS AN ORGANIC SUPPLEMENT IN LAND APPLICATION, OR IN THE PRODUCTION OF MISCELLANEOUS PAPER FIBER BASED PRODUCTS (e.g. ABSORBENT PELLETS). NORMAL ENCOUNTERS WITH THIS MATERIAL SHOULD NOT PRODUCE ANY HAZARDOUS SITUATIONS. AS WITH ALL NON-FOOD GRADE MATERIALS, HOWEVER, USE GLOVES AND WEAR SAFETY GLASSES TO MINIMIZE EXPOSURE.
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### 4.3. Indication of any immediate medical attention and special treatment method

No additional information available

## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

WATER, DRY FOAM, FIGHT AS WOOD OR PAPER FIRE

### 5.2. Special hazards arising from the substance or mixture

AVOID EXPOSURE TO COMBUSTION GASES.

### 5.3. Advise for firefighters

This product is not considered flammable.

**ERG Guide No.** Not applicable

## SECTION 6: Accidental release measure

### 6.1. Personal precautions, protective equipment and emergency procedure

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Collect materials and dispose according to applicable regulations.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

WHILE WASTEWATER SLUDGE DOES NOT TYPICALLY CONTAIN HYDROGEN SULFIDE, DEGRADED SLUDGE CAN POTENTIALLY GENERATE HYDROGEN SULFIDE VAPORS. PRECAUTIONS SHOULD BE TAKEN TO AVOID STORING SLUDGE FOR PROLONGED PERIODS OF TIME IN A CLOSED OR CONFINED AREA THAT COULD TRAP POTENTIAL HYDROGEN SULFIDE VAPORS.

### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: No data available.

### 7.3. Specific end use(s)

Potential uses include land application as organic matter amendment, organic fuel, compost ingredient, or raw material for paper fiber based recycled products

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available.

### 8.2. Exposure control

**Respiratory** Not normally required.

**Eyes** Not normally required.

**Skin** Not normally required.

**Engineering Controls** Not normally required.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance** DEPENDING ON THE PERCENT OF WATER IN THE SLUDGE, THE CONSISTENCY MAY BE SIMILAR TO DAMP SAWDUST OR TO THAT OF A SLURRY; COLOR MAY BE BROWN OR GRAYISH

**Odor** DUE TO BIOLOGICAL SOLIDS PRESENT, ODOR MAY BE FOUL OR BLAND

**Odor threshold** Not Measured

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pH	7.0 - 8.5
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	Not Measured
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	Approximate 2100 LBS/CU. YD
Percent Solids by Weight	VARIES: 25- 55%
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured

### 9.2. Other information

No other relevant information.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

SUSCEPTABLE TO BIOLOGICAL ACTIVITY AND DECOMPOSITION IF STORED WET IN ABSENCE OF AIR (OR LOW VENTILATION).

### 10.2. Chemical stability

SUSCEPTABLE TO BIOLOGICAL ACTIVITY AND DECOMPOSITION IF STORED WET IN ABSENCE OF AIR (OR LOW VENTILATION).

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

PRECAUTIONS SHOULD BE TAKEN TO AVOID STORING SLUDGE FOR PROLONGED PERIODS OF TIME IN A CLOSED OR CONFINED AREA THAT COULD TRAP POTENTIAL HYDROGEN SULFIDE VAPORS

### 10.5. Incompatible materials

OXIDIZERS AND REDUCING AGENTS (CAUSES FIRE HAZARD); STRONG ACIDS

### 10.6. Hazardous decomposition products

HYDROGEN SULFIDE, METHANE DUE TO BIOLOGICAL ACTIVITY

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

TOXICOLOGICAL INFORMATION: NOT EVALUATED

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### SECTION 12: Ecological information

#### 12.1. Toxicity

ECOLOGICAL INFORMATION: NOT EVALUATED

#### 12.2. Persistence and degradability

ECOLOGICAL INFORMATION: NOT EVALUATED

#### 12.3. Bioaccumulative potential

ECOLOGICAL INFORMATION: NOT EVALUATED

#### 12.4. Mobility in soil

ECOLOGICAL INFORMATION: NOT EVALUATED

#### 12.5. Results of PBT and vPvBvT assessment

ECOLOGICAL INFORMATION: NOT EVALUATED

#### 12.6. Other adverse effects

ECOLOGICAL INFORMATION: NOT EVALUATED

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

### SECTION 14: Transport information

Transport as limited quantities is not regulated.

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable DOT Label: ---	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards	IMDG Marine Pollutant: Not evaluated		
14.6. Special precautions for user	No further information		

### SECTION 15: Regulatory information

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

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.		
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.		
WHMIS Classification	Not Regulated		
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No		

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**Immediate (Acute):** No

**Delayed (Chronic):** No

**EPCRA 311/312 Chemicals and RQs:**

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

**EPCRA 302 Extremely Hazardous:**

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

**EPCRA 313 Toxic Chemicals:**

Trace amounts of mercury and lead may be present.

**Proposition 65 - Carcinogens (>0.0%):**

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

**Proposition 65 - Developmental Toxins (>0.0%):**

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

**Proposition 65 - Female Repro Toxins (>0.0%):**

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

**Proposition 65 - Male Repro Toxins (>0.0%):**

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

## SECTION 16: Other

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The product is not made with Gluten.

No animal testing on this product.

It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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