Safety Data Sheet

SECTION 1: Product and company identification

Product name Use of the substance/mixture		659 Sewer Solvent 99 wer line maintainer	
Product code	: AE	659	SDS Number: 0618
Company	PO Mo	In Environmental Products Inc. 9 Box 934 9 mouth, IL 61462- USA 800) 991-3765	
Emergency number	: INF	FOTRAC 24 HR. CHEMICAL E	MERGENCY NO.: (800) 535-5053

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Ox. Sol. 3 H272 Skin Corr. 1A H314 STOT SE 3 H335 Full text of H-phrases: see section 16

2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	: (HS03 CHS05 CHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: May intensify fire; oxidizer Causes severe skin burns and eye damage May cause respiratory irritation
Precautionary statements (GHS-US)	 Keep away from open flames No smoking Keep/Store away from clothing, combustible materials Take any precaution to avoid mixing with acids, reducing agents, water. Product will generate large amounts of heat when wetted. Do not breathe dust Avoid breathing dust Wash thoroughly after handling Use only outdoors or in a well-ventilated area Wear eye protection, protective clothing, protective gloves If swallowed: rinse mouth. Do NOT induce vomiting If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower If inhaled: Remove person to fresh air and keep comfortable for breathing If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a doctor, a POISON CENTER Wash contaminated clothing before reuse In case of fire: Use foam, dry extinguishing powder, carbon dioxide (CO2) to extinguish Store in a well-ventilated place. Keep container tightly closed Store locked up Dispose of contents/container to comply with local/regional/national/international regulations.

2.3.	Other hazards
No a	additional information available
24	Unknown poute toxicity (CHS US)

2.4. Unknown acute toxicity (GHS US)

Not applicable

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
sodium hydroxide, caustic soda	(CAS No) 1310-73-2	40.0 - 70.0	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314
SODIUM NITRATE	(CAS No) 7631-99-4	15.0 - 40.0	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335

SECTION 4: First aid measures

4.1. Description of first aid measures	3
First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Get medical advice/attention.
First-aid measures after ingestion	: Fatal if swallowed. Immediately call a poison center or doctor/physician. Rinse mouth. Do NOT induce vomiting.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation	: May cause respiratory irritation. Corrosive to the respiratory tract.
Symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Corrosion of the eye tissue. Permanent eye damage.
Symptoms/injuries after ingestion	: Fatal if swallowed. Burns to the gastric/intestinal mucosa.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Carbon dioxide. Foam. Dry chemical powder. 5.2. Special hazards arising from the substance or mixture Reactivity : Reacts violently with water. Reacts with (some) metals: release of highly flammable gases/vapours

	(hydrogen).
5.3. Advice for firefighters	
Firefighting instructions	: Exercise caution when fighting any chemical fire. Use water moderately and if possible collect or contain it. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures		
General measures	: Isolate from fire, if possible, without unnecessary risk.	
6.1.1. For non-emergency person	nel	
Protective equipment	: Gloves. Protective goggles. Face-shield.	
Emergency procedures	: Keep upwind.	
6.1.2. For emergency responders		
Protective equipment	: Equip cleanup crew with proper protection.	
Emergency procedures	: Stop leak if safe to do so. Stop release. Ventilate area.	

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6.2. Environmental precaution	S
Avoid release to the environment.	Prevent soil and water pollution.
6.3. Methods and material for	containment and cleaning up
For containment	: Contain released substance, pump into suitable containers.
Methods for cleaning up	: Absorb spillage to prevent material damage. Solid spill: shovel. This material and its container must be disposed of in a safe way, and as per local legislation. Spill must not return in its original container.
6.4. Reference to other section	IS

No additional information available

SECTION 7: Handling and s	torage
7.1. Precautions for safe handlin	9
Precautions for safe handling	Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage,	including any incompatibilities
Storage conditions	: Keep container closed when not in use. Store in original container.
Incompatible products	: strong acids.
Storage area	: Keep only in the original container. Store in a dry area. Store in a cool area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment

: Face shield. Gloves. Safety glasses. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and c	hemical properties
Physical state	: Solid
Appearance	: Red granules.
Odor	: No odor
Odor threshold	: No data available
pH	: 14
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: Soluble in water.

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Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts violently with water. Reacts with (some) metals: release of highly flammable gases/vapours (hydrogen).

1267 mg/kg

pH: 14

:

·

:

: Not classified pH: 14

Not classified Not classified

Not classified

Not classified

: Not classified

: Not classified

1267.000 mg/kg body weight

May cause respiratory irritation.

: Caustic burns/corrosion of the skin.

: Causes severe skin burns and eye damage.

10.2 Chamical stability	
10.2. Chemical stability	
No additional information avai	able
10.3. Possibility of hazardo	us reactions
Reacts violently with water.	
10.4. Conditions to avoid	
No additional information avai	able
10.5. Incompatible material	3
May be corrosive to metals. st	rong acids. Metals.
10.6. Hazardous decompos	tion products
May release flammable gases	
SECTION 11: Toxicolo	
11.1. Information on toxicol	ogical effects
Acute toxicity	: Not classified
and diama handa and also a second in	
sodium hydroxide, caustic	soda (1310-73-2)
LD50 oral rat	soda (1310-73-2) 4090 mg/kg
· · · · ·	
LD50 oral rat	4090 mg/kg

SODIUM NITRATE (7631-99-4)

LD50 oral rat

ATE CLP (oral)

Skin corrosion/irritation

Germ cell mutagenicity

Reproductive toxicity

Carcinogenicity

exposure) Aspiration hazard

Serious eye damage/irritation

Respiratory or skin sensitization

Specific target organ toxicity (single exposure) :

Specific target organ toxicity (repeated

Symptoms/injuries after inhalation

Symptoms/injuries after skin contact

Symptoms/injuries after eye contact

Symptoms/injuries after ingestion

: Fatal if swallowed. Burns to the gastric/intestinal mucosa.

: May cause respiratory irritation. Corrosive to the respiratory tract.

: Causes serious eye irritation. Corrosion of the eye tissue. Permanent eye damage.

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12.1. Toxicity SODUM NITRATE (7631-99-4) LC50 Infs 1 12.2. Persistence and degradability No additional information available 13.1. Maste tradment methods Waste disposal recommendations 13.1. Waste tradment methods Waste disposal recommendations 14.1. Transport information Department of Transportation (DOT) In accordance with DOT : Not regulated for transport UN-No (DOT) :: UN3262 Proper Shipping Name (DOT) :: Corrosive solid, basic, inorganic, n.o.s. (Sodium Hydroxide) Transport nazard dase(s) (DOT) :: 8 - Class 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) :: 8 - Class 9 - Corrosive material 49 CFR 173.136 DOT Packaging Non Buk (49 CFR 173.xox) : 212 DOT Packaging Exceptions (40 CFR 173.202) : 212 DOT Packaging Exceptions (40 CFR 173.202) : 154	SECTION 12: Ecological informati	 on
SODUM NITRATE (7631-99-4) LC50 for ha 1 6650 mg/l static test LC50 - Gambusia affinis (Mosquito fish) 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential No additional information available SECTION 13: Disposal considerations 13.4. Wast catament methods Weste disposal recommendations SECTION 14: Transport Information Department of Transport Information Department of Transport Information Packing group (DOT) : UN262 Proper Shipping Name (DOT) : Corrosive material 49 CFR 173.136 Hazard labels (DOT) : 8 - Corrosive Packing group (DOT) : II - Medium Danger DOT Packaging Nam Bulk (49 CFR 173.xxx) : 212 DOT Packaging Nam Bulk (49 CFR 173.xxx) : 240 DOT Symbols : G - Identifies PSN requiring a technical name DOT Symbols : G - Identifies PSN requiring a technical name DOT Symbols : G - Identifies PSN requiring a technical name DOT Symbols : G - Identifies PSN requiring a technical name DOT Symbols : G - Identifies PSN requiring a technical name DOT Symbols : G		
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No additional information available 12.3. Bioaccumulative potential No additional information available SECTION 13: Disposal considerations 13.1. Waste treatment methods Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT : Not regulated for transport UN-No (DOT) : UN3262 Proper Shipping Name (DOT) : Corrosive solid, basic, inorganic, n.o.s. (Sodium Hydroxide) Transport hazard class(es) (DOT) : 8 - Corrosive corrosive material 49 CFR 173.136 Hazard labels (DOT) : 11 - Medium Danger DOT Packaging Non Bulk (49 CFR 173.xxx) : 240 DOT Syncbia Provisions (40 CFR 172.102) : 184.172.172.172 DOT Packaging Suk (49 CFR 173.xxx) : 240 DOT Syncbia Provisions (40 CFR 172.102) : 184.172.172.172 DOT Packaging Exceptions (49 CFR : : 154.173.1733 DOT Packaging Exceptions (49 CFR : : 154.173.1733 DOT Packaging Exceptions (49 CFR : : 154.173.173.1733 DOT Quantity Limitat		
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SECTION 14: Transport information Department of Transportation (DOT) In accordance with DOT : Not regulated for transport UN-No.(DOT) : UN3262 Proper Shiping Name (DOT) : Corrosive solid, basic, inorganic, n.o.s. (Sodium Hydroxide) Transport hazard class(es) (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) : 8 - Corrosive Packing group (DOT) : 11 - Medium Danger DOT Packaging Num Bulk (49 CFR 173.xxx) : 212 DOT Packaging Bulk (49 CFR 173.xxx) : 240 DOT Symbols : G - Identifies PSN requiring a technical name DOT Symbols : G - Identifies PSN requiring a technical name DOT Special Provisions (49 CFR 172.102) : 118.IP.2.IP.4.T3.TP33 DOT Packaging Exceptions (49 CFR 173.2xx) : 154 T/3.xxx) DOT Quantity Limitations Passenger : 15 kg aircraftrail (49 CFR 173.27) E00 DOT Quantity Limitations Cargo aircraft is 50 kg 50 kg OtI Vessel Stowage Location : B DOT Vessel Stowage Cotion : B DOT Vessel Stowage Cother : 52 - Stow "separated from" acids Additional information This product may be elegible to be shipped as a Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.154. Tr	13.1. Waste treatment methods	
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Proper Shipping Name (DOT) : Corrosive solid, basic, inorganic, n.o.s. (Sodium Hydroxide) Transport hazard class(es) (DOT) : 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) : 8 - Corrosive Packing group (DOT) : II - Medium Danger DOT Packaging Non Bulk (49 CFR 173.xxx) : 242 DOT Packaging Non Bulk (49 CFR 173.xxx) : 242 DOT Packaging Stup (49 CFR 172.102) : 18 - Packaging a technical name DOT Symbols : G - Identifies PSN requiring a technical name DOT Symbols : G - Identifies PSN requiring a technical name DOT Packaging Exceptions (49 CFR 172.102) : 18 JB/JP2, JP4, T3, TP33 DOT Quantity Limitations Cargo aircraft of the symbolic : 50 kg OT Vessel Stowage Location : B DOT Vessel Stowage Cotter : 52 - Stow "separated from" acids Additional information : This product may be elegible to be shipped as a Consumer Commodity ORM-D utilizing the exception found at	In accordance with DOT : Not regulated f	or transport
Transport hazard class(es) (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) : 8 - Corrosive Packing group (DOT) : II - Medium Danger DOT Packaging Non Bulk (49 CFR 173.xxx) : 212 DOT Packaging Bulk (49 CFR 173.xxx) : 240 DOT Symbols : G - Identifies PSN requiring a technical name DOT Special Provisions (49 CFR 172.102) : IB8,IP2,IP4,T3,TP33 DOT Packaging Exceptions (49 CFR 172.102) : IB8,IP2,IP4,T3,TP33 DOT Quantity Limitations Passenger aircraft trail (49 CFR 175.75) : 154 DOT Vessel Stowage Location : 8 DOT Vessel Stowage Cotter : 50 kg Ot Vessel Stowage Cotter : 52 - Stow "separated from" acids Additional information : This product may be elegible to be shipped as a Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.154. ADR : . This product may be elegible to be shipped as a Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.154. Additional Information available : Tansport by sea No additional Information available : Air transpor	UN-No.(DOT)	: UN3262
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	No additional information available	

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Safety Data Sheet

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

sodium hydroxide, caustic soda (1310-73-2)				
Not listed on SARA Section 313 (Specific toxic chemical listings)				
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb			

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information

Training advice

: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4	
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A	
Ox. Sol. 3	Oxidizing solids Category 3	
Skin Corr. 1A	Skin corrosion/irritation Category 1A	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
STOT SE 3	Specific target organ toxicity (single exposure) Category 3	
H272	May intensify fire; oxidizer	
H302	Harmful if swallowed	
H312	Harmful in contact with skin	
H314	Causes severe skin burns and eye damage	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H335	May cause respiratory irritation	

NFPA health hazard	:	3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	:	0 - Materials that will not burn.
NFPA reactivity	:	2 - Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water.
NFPA specific hazard	:	W - Unusual reactivity with water. This indicates a potential hazard using water to fight a fire involving this material. When a compound is both water-reactive and an oxidizer, the W/bar symbol should go in this quadrant and the OX warning is placed immediately below the NFPA diamond.

Prepared by: Technical Department

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. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.

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