

1. PRODUCT AND COMPANY IDENTIFICATION

- 1a. Product name: NanoSperse S
- 1b. CAS-No: NA
Formula NA
- 1c. Product uses: Dispersing Additive for water based systems
- 1d. Company: TPL, Inc.
3921 Academy Parkway North, NE
Albuquerque, NM 87109-4416
505-344-6744
- 1e. Emergency phone number
PERS 800-633-8253 TPL Customer ID#8621 TPL SDS# 20180416
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2. HAZARDS IDENTIFICATION

- 2a. Classification of the substance or mixture
Not a hazardous substance or mixture
- 2b. GHS label elements, including precautionary statements
Not a hazardous substance or mixture

Precautionary statements:

Direct eye contact with liquid will cause burning, redness and tearing. Contact with vapors may be irritating to eyes.

May cause skin irritation.

Vapors may cause irritation to nose, throat, and respiratory tract.

Swallowing of this product can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Wear suitable protective clothing.

- 2c. Hazards not otherwise classified (HNOC) or not covered by GHS - none
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3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3a. Chemical name: NanoSperse S
- 3b. synonym: Ammonium polymethacrylate and water
Ammonium polymethacrylate: 25 % (by weight) CAS# 30875-88-8
Water: 75 % (by weight) CAS# 7732-18-5
- 3c. CAS number:
- 3d. No ingredients are hazardous according to OSHA criteria.
No components need to be disclosed according to the applicable regulations.
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4. FIRST AID MEASURES

4a. Description of first aid measures

If inhaled:

Move person into fresh air. Administer artificial respiration if necessary. Get medical aid if ill symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The person may need to be kept under medical surveillance for 48 hours.

In case of skin contact:

Remove contaminated clothing. Wash thoroughly with soap and water. If irritation develops, contact a physician

In case of eye contact:

Immediately flush with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

If swallowed:

Never give anything by mouth to an unconscious person. Wash out mouth with water. Give small quantities of water to drink. Get medical attention if symptoms occur.

4b. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (section 2b) and/or section 11.

4c. Indication of any immediate medical attention and special treatment needed

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.

5. FIREFIGHTING MEASURES

5a. Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

5b. Special hazards arising from the substance or mixture

In a fire or if heated, a pressure increase will occur and the container may burst.

Decomposition products may include: Carbon dioxide, carbon monoxide, and nitrogen oxides.

5c. Advice for fire fighters

Wear self-contained breathing apparatus and protective clothing.

5d. Further information

Keep away from heat and sources of ignition

When water has evaporated, the residue will burn.

6. ACCIDENTAL RELEASE MEASURES

6a. Personal precautions, protective equipment and emergency procedures

Ventilate area if indoors. Wear self-contained breathing apparatus and full protective clothing.

For personal protection see section 8.

6b. Environmental precautions

Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

6c. Methods and materials for containment and cleaning up

Stop leak if without risk. Dike and contain spill. Pump into salvage tanks and/or absorb with suitable inert material.

6d. Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7a. Precautions for safe handling

Avoid contact with skin and eyes.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Put on appropriate personal protective equipment.

7b. Conditions for safe storage, including any incompatibilities

Store between 5 and 38°C (41 to 100.4°F)

Keep container tightly closed in a dry, cool and well ventilated place protected from sunlight.

Keep product and empty container away from heat and sources of ignition.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8a. Control parameters

No occupational exposure limits.

8b. Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.

Use with local exhaust ventilation.

8c. Personal protection equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Splash goggles recommended.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves' outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection

If handling heated or misted product in a poorly ventilated area, wear a properly fitted respirator (NIOSH) during exposure

9. PHYSICAL AND CHEMICAL PROPERTIES

9a. Appearance	Clear to Amber liquid
9b. Odor	Ammonia (slight)
9c. Odor threshold	no data available
9d. pH	7.5 to 9
9e. Melting point/ freezing point	no data available
9f. Initial boiling point/boiling range	100°C (212°F)
9g. Flash point	Closed cup: >93°C(>199.4°F) [Pensky-Martens]
9h. Evaporation rate	<1 (butyl acetate = 1)
9i. Flammability (solid, gas)	When water has evaporated, the residue will burn.
9j. Upper/lower flammability or Explosive limits	no data available
9k. Vapor pressure	no data available
9l. Vapor density	no data available
9m. Relative density	1.1 to 1.12 g/cm ³
9n. Water Solubility	Soluble in cold water
9o. Partition coefficient: n-octanol/water	no data available
9p. Auto-ignition temperature	no data available
9q. Decomposition temperature	no data available
9r. Viscosity	Dynamic (room temperature): <100 mPa*s (<100 cP)

10. STABILITY AND REACTIVITY

10a. Reactivity

Not classified as a reactivity hazard.

10b. Chemical stability

Stable when stored under recommended conditions (section 7b)

Hazardous polymerization will not occur

10c. Possibility of hazardous reactions

No data available

10d. Conditions to avoid

No data available

10e. Incompatible materials

No data available

10f. Hazardous decomposition products

Under recommended conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	no data available
Inhalation	no data available
Dermal	no data available
Skin corrosion/irritation	no data available
Serious eye damage/ eye irritation	no data available
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Reproductive toxicity	no data available
Specific target organ toxicity	
-single exposure	no data available
-repeated exposure	no data available
Aspiration hazard	no data available
RTECS	Not available
11e. Carcinogenicity	no data available

12. ECOLOGICAL INFORMATION

12a. Toxicity	no data available
12b. Persistence and degradability	no data available
12c. Bio accumulative potential	no data available
12d. Mobility in soil	no data available
12e. Other adverse effects	no data available

13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

14. TRANSPORTATION INFORMATION

DOT (US)	Not regulated as a dangerous good
IATA	Not regulated as a dangerous good

15. REGULATORY INFORMATION

TSCA – Listed or exempted.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304: This material does not contain any components with a section 304 Extremely Hazardous Substance reportable quantity.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards None

California Prop. 65 components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

SDS prepared 4/16/2018 Revision 0

HMIS Rating:

Health 1

Flammability 1

Reactivity 0

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. TPL, Inc shall not be held liable for any damage resulting from handling or from contact with the above product.