

1. Identification

Product Identifier Viper Hybrid Densifier
Other means of identification
Product code NAS-2610
Recommended use Densifier for concrete.
Recommended restrictions Professional use only.
Manufacturer/distributor/supplier/importer information
Company name Aramsco
Address 4282 South 590 West
Salt Lake City, UT 84123
Telephone (800) 658-5314
Emergency phone number PERS (800) 633-8253
24-hour Emergency (800) 633-8253

2. Hazard(s) Identification

Physical hazards Not classified
Health hazards Skin irritation Category 2
Eye irritation Category 2
Environmental hazards Not classified
OSHA defined hazards Not listed
Label elements



Signal word Warning
Hazard statement Causes skin irritation
Causes serious eye irritation

Precautionary statement
Prevention Wash hands and exposed skin thoroughly after handling. Wear protective gloves. Wear eye protection/face protection.
Response IF ON SKIN: Wash with plenty of water. Specific treatment (see section 5 of the SDS). If skin irritation occurs: Get medical advice/attention. 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 eye irritation persists: Get medical advice/attention.

Storage
Disposal
Hazard(s) not otherwise classified (HNOC) None
Supplemental information None

3. Composition/information on ingredients

Mixture Component(s)			
Chemical name	CAS number	Purpose	%
Water	7732-18-5	Solvent	55-65%
Hydrated Silica	7631-86-9	Bulking Agent	20-30%
Propylene Glycol	57-55-6	Humectant	5-15%

Lithium Polysilicate	12627-14-4	Processing Aid	0-10%
Fluorinated Alcohol	Proprietary	Surfactant	<0.1%

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Dermatitis. Rash. Causes skin irritation and serious eye irritation.
Indication of immediate medical attention and special treatment needed	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂)
Unsuitable extinguishing media	None known
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment and clothing during clean-up. Wear eye/face protection.
Methods and materials for containment and cleaning up	Caution – spillages may be slippery Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Do not store in extreme conditions.

8. Exposure controls/personal protection

Occupational exposure limits
None established

Biological limit values
None established

Appropriate engineering controls Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves
Other	None.
Respiratory protection	Respiratory protection not required.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	
Physical State	Cloudy liquid.
Color	Colorless.
Odor	Characteristic.
Odor threshold	Not available.
pH	10.5-11.4
Melting/freezing point	Not available.
Initial boiling point and boiling range	212°F (100°C)
Flash point	Does not flash.
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available.
Lower	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	1.14

Solubility in water Soluble
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature >392°F (200°C)
Viscosity Not available.

10. Stability and reactivity

Reactivity This product is stable and non-reactive under normal conditions of use.
Chemical stability Material is stable under normal conditions.
Possibility of hazardous reactions Hazardous polymerization does not occur.
Conditions to avoid Heat, flames
Incompatible materials Reactive metals (e.g. sodium, calcium ,zinc), strong acids, oxidizing agents
Hazardous decomposition products Carbon monoxide, carbon dioxide

11. Toxicological information

Information on likely routes of exposure

Ingestion Lithium compounds may damage central nervous system resulting in headache and nausea.
Inhalation Mist is irritant to respiratory tract.
Skin contact Repeated and/or prolonged skin contact causes skin irritation.
Eye contact Liquid or mist causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics Dermatitis. Rash. May cause an allergic skin reaction, skin irritation, serious eye irritation.
Acute toxicity Causes skin irritation and serious eye irritation.

Product Viper Hybrid Densifier (CAS mixture)		
Exposure Classification	Route and Species	Test Results
Acute	Oral, rat	LD ₅₀ : >5,000 mg/kg (estimated)
Acute	Dermal, rat	LD ₅₀ : >5,000 mg/kg (estimated)
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation Causes skin irritation.
Serious eye damage/irritation Causes serious eye irritation.
Respiratory sensitization Not classified.
Skin sensitization Not classified.
Germ cell mutagenicity Not classified.
Carcinogenicity Not considered a carcinogen.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
 Not Listed.
Reproductive toxicity Not classified.
Specific target organ toxicity – single exposure Not classified.
Specific target organ toxicity – repeated exposure Not classified.

Aspiration hazard Not considered an aspiration hazard.

12. Ecological information

Ecotoxicity		
Product Viper Hybrid Densifier (CAS mixture)		
Aquatic Receptor	Species	Test Threshold(s)
Crustacea	Daphnia magna	EC ₅₀ (48-hr): >10,000 mg/L (estimated)
*Estimates for product may be based on additional component data not shown		

Persistence and degradability Upon dilution, product rapidly depolymerizes into molecular species indistinguishable from naturally occurring substances.

Bioaccumulative potential No data available.

Mobility in soil Not available

Other adverse effects The alkalinity of this material may have a local effect on ecosystems sensitive to changes in pH.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations

Waste from residues/unused product Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT
Not regulated as dangerous goods.

TDG
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

15. Regulatory information

US federal regulations

SARA 302 Extremely hazardous substance
Not listed.

SARA 304 Emergency release notification
Not listed.

SARA 311/312 Hazard Categories

- Immediate Hazard - Yes
- Delayed Hazard – No
- Fire Hazard – No
- Pressure Hazard – No
- Reactivity Hazard – No

SARA 313 (TRI reporting)

Not listed.

California Proposition 65



WARNING: This product can expose you to chemicals including Pentadecafluorooctanoic acid, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other information, including date of preparation or last revision.

Issue date 6/17/2021
Revision date
Version # 1
HMIS[®] ratings Health: 1
Flammability: 0
Physical hazard: 0

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

NFPA ratings Health: 1
Flammability: 0
Instability: 0



Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related 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 by the text.

Revision information First issue.