

SAFETY DATA SHEET

Triple7 Dust Suppression Plus

Infosafe No.: MTMAU
ISSUED Date: 06/03/2017
Issued by: Envirofluid

1. IDENTIFICATION

GHS Product Identifier

Triple7 Dust Suppression Plus

Product Code

AADSP-5, AADSP-20, AADSP-200, AADSP-BB

Company Name

Envirofluid

Address

39 Coghlan's Road Warrnambool
Victoria 3280 Australia

Telephone/Fax Number

Tel: 1800 777 580 (8am - 5pm AEST)
Fax: 1300 777 580

Emergency phone number

1800 638 556 (24h) / +61 3 5564 6455

E-mail Address

info@envirofluid.com

Recommended use of the chemical and restrictions on use

A bio based formulation for dust suppression. Suitable for use in mining and construction applications. Environmentally responsible.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Glycerin	56-81-5	<50 %
Ingredients determined not to be hazardous		Balance



4. FIRST-AID MEASURES

Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

First Aid Facilities

Eyewash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Extinguishing media suitable for the surrounding fire.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes including oxides of nitrogen, hydrocarbons, carbon monoxide and carbon dioxide.

Specific Hazards Arising From The Chemical

No fire or explosion hazard exists.

Decomposition Temperature

Not available

Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Wear appropriate personal protective equipment and clothing. Stop the leak if safe to do so. Evacuate unprotected personnel. If possible contain the spill. Surfaces may become slippery after spillage. Flush residue with ample water. Place inert, non-combustible, absorbent material onto spillage. Collect the material and place into suitable labelled containers for recycling or disposal. As a water based product, if spilt on electrical equipment the product will cause short-circuits. Dispose of waste according to the applicable local and national regulations.



7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene by washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight. Protect from freezing. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Glycerin mist:

TWA: 10 mg/m³

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Biological Limit Values

No biological limits allocated.

Appropriate Engineering Controls

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious chemical resistant material such as PVC or rubber. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

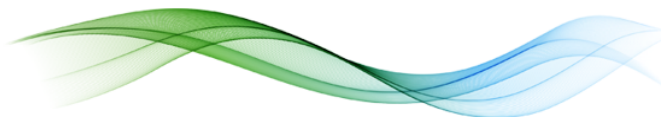
Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid



Appearance

Slightly viscous orange liquid

Colour

Orange

Odour

Slight

Decomposition Temperature

Not available

Melting Point

Not available

Boiling Point

109°C

Solubility in Water

Soluble

Specific Gravity

1.15

pH

7.5-8.9

Vapour Pressure

565 mm Hg (100°C)

Vapour Density (Air=1)

Not available

Evaporation Rate

<1 (ether = 1)

Odour Threshold

Not available

Viscosity

11cSt (20°C)

Volatile Component

35% to 40% (by volume)

Partition Coefficient: n-octanol/water

Not available

Flash Point

Not available

Flammability

Not flammable

Auto-Ignition Temperature

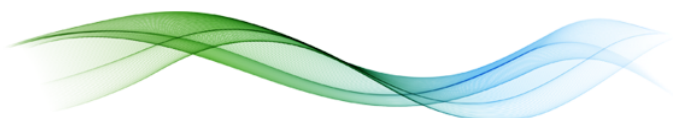
Not applicable

Flammable Limits - Lower

Not applicable

Flammable Limits - Upper

Not applicable



10. STABILITY AND REACTIVITY

Reactivity

Reacts with incompatible materials.

Chemical Stability

Stable under normal conditions of handling and storage.

Conditions to Avoid

Heat, sparks, open flames and other ignition sources.

Incompatible materials

Oxidising agents (eg. hypochlorites) and acids (eg. nitric acid). Incompatible with reducing agents (eg. sulphites).

Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including: hydrocarbons, carbon monoxide and carbon dioxide.

Possibility of hazardous reactions

Not available

Hazardous Polymerization

Not expected to occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

No toxicity data available for this product.

Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Skin

May be irritating to skin. The symptoms may include redness and itching.

Eye

May be irritating to eyes. The symptoms may include redness, itching and tearing.

Respiratory sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

Not expected to be a skin sensitiser.

Germ cell mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Not considered to be a carcinogenic hazard.

Reproductive Toxicity

Not considered to be toxic to reproduction.

STOT-single exposure

Not expected to cause toxicity to a specific target organ.



STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No ecological data available.

Persistence and degradability

Glycerol is expected to biodegrade at a moderate rate.

Mobility

Completely soluble in water. If released to the atmosphere glycerol may react with photochemically produced hydroxyl radicals. In water it is not expected to adsorb to sediment and suspended organic matter.

Bioaccumulative Potential

Glycerol is not expected to bioconcentrate in fish or other aquatic organisms.

Other Adverse Effects

The product does not contain as an ingredient chlorine, phenols, nitrites, heavy metals, arsenic, PCB, PCT, TCDD or other Dioxin related substances.

Environmental Protection

Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Dispose of waste according to applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information

Road and Rail Transport (ADG Code):

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

U.N. Number

None Allocated

UN proper shipping name

None Allocated



Transport hazard class(es)

None Allocated

Special Precautions for User

Not available

IMDG Marine pollutant

No

Transport in Bulk

Not available

15. REGULATORY INFORMATION

Regulatory information

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

Not Scheduled

16. OTHER INFORMATION

Date of preparation or last revision of SDS

SDS reviewed: March 2017

Supersedes: September 2014

References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

END OF SDS

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