

## SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) No. 1907/2006

Version 2.1 – Revision Date: 24-06-2020

Print Date: 24-06-2020

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

<b>1.1</b>	<b>Product Identifiers</b>		
	Product Name	:	<b>DST 3</b>
	Product Number	:	FSSR71
	Type of Product	:	Processing aid for industrial applications
	Brand	:	Air Spectrum DST 3
	CAS No	:	None
<b>1.2</b>	<b>Relevant identified uses of the substance or mixture and uses advised against</b>		
	Identified uses	:	Dust control and stabilisation
<b>1.3</b>	<b>Details of the supplier of the safety data sheet</b>		
	Company	:	Air Spectrum Environmental limited Spectrum House Checketts lane Industrial Estate Worcester WR3 7LW England UK
	Telephone	:	+44 (0)1905 362100
	Fax	:	+44 (0)1905 362101
	E-mail address	:	<a href="mailto:sales@airspectrum.com">sales@airspectrum.com</a>
<b>1.4</b>	<b>Emergency telephone number</b>		
	Emergency phone	:	+44 (0)1905 362100

### Section 2: Hazards Identification

<b>2.1</b>	<b>Classification of substance or mixture</b>	
	<b>Classification according to regulation (EC) No 1272/2008</b> Not Classified	
	<b>Classification according to EU Directives 67/548/EEC or 1999/45/EC</b> For full text of the R-phrases mentioned in this Section, see section 16	
<b>2.2</b>	<b>Label Elements</b>	
	<b>Labelling according to regulation (EC) No 1272/2008</b>	
	Pictogram	
	Signal word	None
	Hazard statement(s)	None
	Precautionary statement(s)	None
	Supplementary hazard statement	EUH210 – safety data sheet available on request EUH208 – Contains reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-meth-2H-isothiazol-3-one [EC no 220-239-6] (3:1). May produce an allergic reaction
<b>2.3</b>	<b>Other hazards -</b>	
	Spills produce slippery surface	
	PBT and vPvB assessment: Not PBT or vPvB according to the criteria of Annex XIII of Reach	

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### Section 3: Composition/information on ingredients

<b>3.1</b>	<b>Substances</b>		
	Synonyms	:	Not applicable, this product is a mixture
	CAS No	:	Not available
	EC-No	:	Not available
	Molecular Weight	:	Not available
<b>3.2</b>	<b>Mixtures</b>		
This product is a mixture			
<b>Hazardous ingredients according to Regulation (EC) No 1272/2008 &amp; 1999/45/EC</b>			
Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-meth-2H-isothiazol-3-one [EC no 220-239-6] (3:1).			
Concentration Range:		0.00015 – 0.0015%	
ECHA List Number: <i>(Assigned to substances without a CAS No or other numerical identifier)</i>		611-341-5	
REACH registration number:		Exempt	
Classification according to Regulation (EC) No 1270/2008:		Acute tox. 3; H301, Acute tox. 3;H311, Skin Corr 1B;H314, Skin sens. 1A;H317, acute tox. 3;H331, aquatic acute. 1;H400, Aquatic chronic. 1;H410, M=10	
<b>Notes:</b>			
Can be identified as Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one (CAS 26172-55-4) and 2-methyl-4-isothiazol-3-one (CAS No 2682-20-4)			
For an explanation of abbreviations, see section 16			

### Section 4: First Aid Measures

#### 4.1 Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance

##### If Inhaled

If inhaled, move person to fresh air. No hazards which require special first aid measures

##### In case of skin contact

Wash off with soap and plenty of water

##### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and Consult a physician

##### If swallowed

Do NOT induce vomiting. Consult a physician. This product is not considered toxic.

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

May cause sensitisation of susceptible persons by skin contact

#### 4.3 Indication of any immediate medical attention and special treatment required

None reasonably foreseeable

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### Section 5: Firefighting measures

- Extinguishing media**
- 5.1 Suitable extinguishing media**  
Use water spray, foam, dry powder or carbon dioxide
- 5.2 Special hazards arising from the substance or mixture**  
None
- 5.3 Advice for firefighters**  
Wear self-contained breathing apparatus for firefighting if necessary
- 5.4 Further information**  
Product is soluble in water, slippery when wet

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### Section 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid contact with skin, Spills produce slippery surfaces  
Wear adequate personal protective equipment (see section 8)  
Keep people away from spill/leak. Prevent further leakage or spillage if safe to do so.
- 6.2 Environmental precautions**  
As with all chemicals, do not flush into surface water
- 6.3 Methods and materials for containment and clean up**  
Small spills: Soak up with inert absorbent material, do not flush with water  
Large Spills: Do not flush with water, Dam up, clean up promptly by scoop or vacuum  
Residues: After cleaning, flush away with traces with water
- 6.4 Reference to other sections**  
For handling and storage see section 7  
Exposure controls/personal protection see section 8  
For disposal considerations see section 13

### Section 7: Handling and storage

- 7.1 Precautions for safe handling**  
Renders surfaces extremely slippery when spilled, Use only in well ventilated areas
- 7.2 Conditions for safe storage, including any incompatibilities**  
Keep containers tightly closed. Freezing will affect the physical condition and may damage the material. The recommended storage temperature is 5 – 30C
- 7.3 Specific end uses**  
Processing aid for industrial applications

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### Section 8: Exposure controls/personal protection

- 8.1 Control parameters**  
**Components with workplace control parameters**  
Contains no substances with occupational exposure limit values
- 8.2 Exposure controls**  
**Appropriate engineering controls**  
Use local exhaust if misting occurs indoors, Natural ventilation is adequate in absence of mists
- 8.3 Personal protective equipment**

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### Eye/face protection

Safety glasses with side shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU)

### Skin protection

- i. Hand protection: Impervious gloves
- ii. Other: Chemical resistant apron if splashing or repeated contact with solution is likely

### Body protection

No specific protection required

### Respiratory protection

Not required, except in case of aerosol formation

### Control of environmental exposure

Do not allow uncontrolled discharge of product into the environment

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a)	Appearance	Form: Liquid Milky Colour: Pale, white
b)	Odour	Slight
c)	Odour threshold	No data available
d)	pH	5-7
e)	Melting point/freezing point	No data available
f)	Initial boiling point and range	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid,gas)	No data available
j)	Upper/lower flammability explosive limits	No data available
k)	Vapour pressure	No data available
l)	Vapour density	No data available
m)	Relative density	0.9-1.2
n)	Water solubility	Soluble in water
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	>100C
r)	Viscosity	No data available
s)	Explosive properties	Not expected to be explosive based on the chemical structure
t)	Oxidising properties	Not expected to be oxidising based on the chemical structure

### 9.2 Other safety information

No data available

## Section 10: Stability and reactivity

### 10.1 Reactivity

Not known

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- 10.2 Chemical stability**  
Stable under recommended storage conditions
- 10.3 Possibility of hazardous reactions**  
No data available
- 10.4 Conditions to avoid**  
Protect from frost and sunlight
- 10.5 Incompatible materials**  
No data available
- 10.6 Hazardous decomposition products**  
Other decomposition products – no data available  
In the event of fire see: section 5

**Section 11: Toxicological information**

- 11.1 Information on toxicological effects**
- Acute toxicity**  
LD50/oral/rat > 2000mg/kg (estimated)
- Skin corrosion/irritation**  
Not irritating
- Serious eye damage/eye irritation**  
Not irritating
- Respiratory or skin sensitisation**  
This product contains a small amount of sensitising substances which may provoke and allergic reaction among sensitive individuals in contact with skin
- Germ cell mutagenicity**  
No data available
- Carcinogenicity**  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
- Reproductive toxicity**  
No data available
- Specific target organ toxicity – single exposure**  
No known effects
- Specific target organ toxicity – repeated exposure**  
No known effects
- Aspiration hazard**  
No hazards resulting from the material as supplied
- Additional information**  
No data Available.

*Relevant information on the hazardous components:*

Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no 220-239-6] (3:1).

- Acute toxicity**  
No data available  
LC50/inhalation/4 hours/rat = 0.33 mg/L
- Skin corrosion/irritation**  
Causes burns
- Serious eye damage/eye irritation**  
Causes burns
- Respiratory or skin sensitisation**

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The results of a test showed that this substance to be a skin sensitizer (OECD 406)

### **Germ cell mutagenicity**

In vitro tests did not show mutagenetic effects In vivo tests did not show mutagenetic effects

### **Carcinogenicity**

Did not show carcinogenic effects in experiments

### **Reproductive toxicity**

Not toxic for reproduction

### **Specific target organ toxicity – single exposure**

No known effects

### **Specific target organ toxicity – repeated exposure**

No known effects

### **Aspiration hazard**

No hazards resulting from the material as supplied

### **Additional information**

## Section 12: Ecological information

### 12.1 Toxicity

Acute toxicity to fish: LC0/Fish/96 hours > 100mg/L (Estimated)

Acute toxicity to invertebrates: No data available

Acute toxicity to algae: No data available

Chronic toxicity to fish: No data available

Chronic toxicity to invertebrates: No data available

Toxicity to microorganisms: No data available

Sediment toxicity: No data available

#### Relevant information on the hazardous components:

Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-meth-2H-isothiazol-3-one [EC no 220-239-6] (3:1).

Acute toxicity to fish: LC50/Oncorhynchus mykiss/96 hours 0.19mg/L

Acute toxicity to invertebrates: EC50/Daphnia magna/48hours 0.16mg/L (OECD 202)

Acute toxicity to algae: IC50/Selenastrum capricornutum/72 hours 0.027mg/L (OECD 201)

Chronic toxicity to fish: NOEC/ Oncorhynchus mykiss/28 days 0.098mg/L (OECD 210)

Chronic toxicity to invertebrates: NOEC/Daphnia magna/21 days 0.004mg/L (OECD 211)

Toxicity to microorganisms: No data available

Sediment toxicity: No data available

### 12.2 Persistence and degradability

Degradation: Inherently biodegradable > 80%/28 days (OCED 302)

Hydrolysis: No data available

Photolysis: No data available

#### Relevant information on the hazardous components:

Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-meth-2H-isothiazol-3-one [EC no 220-239-6] (3:1).

Degradation: Readily biodegradable > 60%/28 days (OCED 301 D)

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Half Life: 1.82 – 1.92 d (OECD 308)

Hydrolysis: No data available

Photolysis: No data available

### 12.3 Bio accumulative potential

#### *Information on the product as supplied*

This product is not expected to bioaccumulate

Partition co-efficient (Low Pow): No data available

Bioconcentration factor (BCF): No data available

#### *Relevant information on the hazardous components:*

Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-meth-2H-isothiazol-3-one [EC no 220-239-6] (3:1).

Partition co-efficient (Low Pow):  $\leq 0.75$  (OECD 107)

Bioconcentration factor (BCF): 3.6

### 12.4 Mobility in soil

No data available

#### *Relevant information on the hazardous components:*

Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-meth-2H-isothiazol-3-one [EC no 220-239-6] (3:1).

Koc: No data available

### 12.5 Results of PBT and vPvB assessment

Not PBT according to the criterial of Annex XIII of Reach

Not vPvB according to the criterial of Annex XIII of Reach

### 12.6 Other adverse effects

None

## Section 13: Disposal considerations

### 13.1 Waste treatment considerations

#### **Product**

Rinse empty containers with water and use rinse water to prepare the working solution.

Contact a licensed professional waste disposal service to dispose of this material

#### **Contaminated packaging**

If recycling is not practicable, dispose of in compliance with local regulations

## Section 14: Ecological information

### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN proper shipping name

ADR/RID: not dangerous goods

IMDG: not dangerous goods

IATA: not dangerous goods

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<b>14.3</b>	<b>Transport hazard class(es)</b>		
	ADR/RID: -	IMDG: -	IATA: -
<b>14.4</b>	<b>Packaging group</b>		
	ADR/RID: -	IMDG: -	IATA: -
<b>14.5</b>	<b>Environmental hazards</b>		
	ADR/RID: -	IMDG marine pollutant: No	IATA: -
<b>14.6</b>	<b>Special precautions for user</b>		
	No data available		

### Section 15: Regulatory information

This safety data sheet complies with the requirements of Regulation (EC) No: 1907/2006

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

All components of this product have been registered or pre-registered with the European Chemicals Agency, or are exempt from registration

#### 15.2 Chemical safety assessment

A chemical safety assessment for this product has been carried out by the person responsible for producing this safety data sheet. All relevant information used to conduct this assessment are included in this safety data sheet as well as any resulting risk reduction measures

### Section 16: Other information

#### Full text of H statements referred to under section 2 and 3

#### Full text of R-phrases referred to under section 2 and 3

#### Further information

*Key or legend to abbreviations used in this safety data sheet*

#### Acronyms:

PBT: persistent, bio accumulative and toxic

STOT: specific target organ toxicity

vPvB: very persistent and very bio accumulative

#### Abbreviations:

Acute Tox. 3: Acute toxicity, Hazard Category 3

Aquatic acute 1 = Hazardous to the aquatic environment – Acute hazard Category 1

Aquatic chronic 1 = Hazardous to the aquatic environment – Chronic hazard Category 1

Skin corr. 1B = Skin corrosion/irritation hazard Category 1B

Skin sens. 1A = Sensitisation skin hazard category 1A

#### Hazard statements

H301 – Toxic if swallowed

H311 – Toxic in contact with skin

H314 – Causes severe skin burns and eye damage



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H317 – May cause allergic skin reaction

H331 – Toxic if inhaled

H400 – very toxic to aquatic life

H410 – very toxic to aquatic life with long lasting effects

*This SDS was prepared in accordance with the following:*

Regulation (EC) No 1907/2006, as amended

Regulation (EC) No 122/2008. As amended

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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 the appropriate safety precautions. It does not represent any guarantee of the properties of the product. Air Spectrum Environmental Limited and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. Contact Air Spectrum Environmental Limited for full terms and conditions of sale.

### ANNEX(ES)

This product is not hazardous as supplied and/or does not contain hazardous components:

Which require REACH registration; or

Which demonstrate relevant affects which would require chemical safety assessment; or:

Which are present at concentrations above their cut-off value

Therefore, according to Regulation (EC) No 1907/2006, Article 31, paragraph 7, and Exposure scenario is not required as an annex to the safety data sheet