Safety Data Sheet

Material Name: Salt System 356

* * *Section 1 - Identification of the Substance/Preparation and the Company/Undertaking* * *

Part Number: 356
Chemical Name: Hermetically sealed container containing a salt temperature detection system.
Product Use: Temperature detection
Synonyms: Eutectic Salt System 356
Manufacturer Information

UTC Aerospace Systems
4200 Airport Drive, NW
Wilson, NC 27896

Phone: 252-237-7004

Emergency #: 1-800-451-8346 (3E Company)
Site Code: 333067

* * * Section 2 - Composition / Information on Ingredients * * *

This product has been evaluated using criteria specified in European Union Directives 67/548/EEC and 1999/45/EC.

Please contact Kidde Aerospace for specific component information.

* * * Section 3 - Hazards Identification * * *

Human and Environmental Hazards

This product is exempt from classification as per European Union Directives 67/548/EEC and 1999/45/EC as a manufactured article.

* * * Section 4 - First Aid Measures * * *

First Aid: Eyes

Not expected under normal use. Call a physician if irritation develops or persists.

First Aid: Skin

No effects expected under normal use. Call a physician if irritation develops or persists.

First Aid: Ingestion

Ingestion is highly unlikely. In the event of ingestion, do not induce vomiting. Call a physician immediately.

First Aid: Inhalation

Remove affected person to fresh air. If irritation or difficult breathing develops or persists, seek medical attention.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

Not a fire hazard. Sealed containers may rupture when heated.

Hazardous Combustion Products

None known.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment/Instructions

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products. Do not allow run-off from fire fighting to enter sewers or open water ways.

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures

Not applicable under normal conditions of operation.

Clean-Up Procedures

Carefully pick up devices, avoiding unnecessary impact or friction. Repack undamaged devices for storage and separate visibly damaged devices for proper disposal.

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Evacuation Procedures

None necessary.

Special Procedures

Damaged actuators should be disposed of under controlled conditions by properly trained personnel. Follow all Local, State, Federal and Provincial regulations for disposal.

* * * Section 7 - Handling and Storage * * *

Handling Procedures

Keep container closed.

Storage Procedures

Store in a cool, dry, ventilated area. Keep protected from moisture.

Specific Use

Temperature change detection

* * * Section 8 - Exposure Controls / Personal Protection * * *

Substance Exposure Limits

The EU, ACGIH, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Portugal, Spain, Sweden, and United Kingdom have not developed exposure limits for any of the substances in this preparation.

Engineering Controls

Not ordinarily required.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Not ordinarily required.

Personal Protective Equipment: Skin

Gloves are not ordinarily required.

Personal Protective Equipment: Respiratory

Respiratory protection is not ordinarily required.

Personal Protective Equipment: General

Use good industrial practices in handling.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance: Hermeticallysealed case with a solid salt system
Physical State: Solid
Vapor Pressure: Not available
Boiling Point: Not available
Solubility (H2O): Soluble
Auto Ignition: Not available
Flash Point Method: Not available
UFL: Not available

Odor: Acrid
pH: Not available
Vapor Density: Not available
Melting Point: Not available
Specific Gravity: Not available
Flash Point: Not available
LFL: Not available

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability

Stable under ordinary conditions of use and storage. Interior salt system is a powerful reducing agent.

Chemical Stability: Conditions to Avoid

Avoid contact with incompatible materials.

Incompatibility

Acids, bases, oxidizing agents, nitrates, hydrogen peroxide, sodium, potassium, bromine trifluoride, calcium carbide, calcium acetylide, ethylene oxide. Powerful reducing agent.

Hazardous Decomposition

None known.

Hazardous Polymerisation

Will not occur.

Safety Data Sheet

Material Name: Salt System 356

* * * Section 11 - Toxicological Information * * *

Potential Health Effects

A: General Product Information

The chemicals contained in the actuator are hermetically sealed and pose no hazard under normal conditions of operation and storage. When exposed, these chemicals are moderately to severely irritating to the eyes, skin, gastrointestinal tract, mucous membranes and respiratory tract. Harmful if swallowed. However, in normal operation, these chemicals pose minimal risk

B: Substance Analysis - LD50/LC50

No LD50/LC50's are available for the substances in this preparation.

Carcinogenicity

A: General Product Information

No information available for the product.

B: Substance Carcinogenicity

None of the substances in this preparation are listed by IARC, Austria, Belgium, Denmark, France, Germany, Ireland, Luxembourg, Netherlands, Spain, or United Kingdom.

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

No information available for the product. Due to physical form of actuator, and small quantity of chemicals, environmental impact is negligible.

B: Substance Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for the substances in this preparation.

Mobility

Product contents are expected to have high water mobility.

Persistence & Degradation

No information available for the product.

Bioaccumulation

Product is not expected to bioaccumulate.

Other Adverse Effects

No additional information available.

* * * Section 13 - Disposal Considerations * * *

Waste Disposal Instructions

Dispose of waste material according to appropriate regulations. Do not allow this material to drain into sewers/water supplies.

* * * Section 14 - Transportation Information * * *

IATA Information

Shipping Name: Not regulated as a dangerous good.

ICAO Information

Shipping Name: Not regulated as a dangerous good.

IMDG Information

Shipping Name: Not regulated as a dangerous good.

ADR Information

Shipping Name: Not regulated as a dangerous good.

RID Information

Shipping Name: Not regulated as a dangerous good.

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* * * Section 15 - Regulatory Information * * *

EU MARKING AND LABELLING:
Symbol(s):
None.
Risk Phrases:
None.
Safety Phrases:
A: General Product Information
None.

* * * Section 16 - Other Information * * *

MSDS History
MSDS History:
New MSDS, 8/12/2004
Revision A: 7/10/2013 renumbered, contact information updated and reviewed

Key/Legend
CAS No: Chemical Abstract Service Registry Number
COSHH: Control of Substances Hazardous to Health (United Kingdom)
IARC: International Agency for Research on Cancer
LLV: Level Limit Value (Sweden)
MAK: Maximale Arbeitsplatz-Konzentration (Maximum Workplace Concentration) (Germany)
MEL: Maximum Exposure Limit (COSHH)
N/A: Not Applicable
N/E: None Established
OES: Occupational Exposure Standard (COSHH)
S: Can be absorbed through the skin
STEL: Short Term Exposure Limit (COSHH)
STV: Short Term Value (Sweden)
TWA: Time Weighted Average (exposure for 8-hour workday)
IIIA1: Substances shown to induce malignant tumors in humans
IIIA2: Substances shown to be clearly carcinogenic only in animal studies but under conditions indicative of carcinogenic potential at the workplace
IIIB: Substances which are suspected of possessing significant carcinogenic potential which urgently needs further clarification
DSC: Differential Scanning Calorimetry

Contact: UTC Aerospace Systems (UTAS), Materials Engineering
Contact Phone: 1-252-237-7004

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