

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Therma-Shield
PRODUCT CODE: 80-098
RECOMMENDED USE: Flame Retardant
RESTRICTIONS ON USE: None Known
COMPANY NAME: Kimball Midwest
COMPANY ADDRESS: P.O. Box 2470, Columbus, OH 43216
COMPANY PHONE: 800-233-1294
EMERGENCY PHONE: 800-255-3924

SECTION II - HAZARDS IDENTIFICATION

CLASSIFICATION: Compressed Gas
HAZARD STATEMENT(S): WARNING: Contains gas under pressure. May explode if heated.
This product contains the following percentage of chemicals of unknown toxicity: 0%
PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place.
SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CASNUMBER	PERCENT
Nitrogen Industrial Grade	7727-37-9	.5-1.5%

SECTION IV - FIRST AID MEASURES

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 or attention.
INGESTION: Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Seek medical attention if irritation persists.
INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.
SKIN: Immediately wash with soap and water. Seek medical attention if irritation develops.
ACUTE HEALTH HAZARDS: None Known
CHRONIC HEALTH HAZARDS: None known
NOTE TO PHYSICIAN: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION V - FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, alcohol foam, and water spray or fog.
UNSUITABLE EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

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HAZARDOUS COMBUSTION PRODUCTS: *N/A*

SECTION VI - ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Use non-combustible material like vermiculite, sand or earth on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

RCRA STATUS: Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII - HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS: Keep out of the reach of children.

INCOMPATIBILITY: Strong oxidizers, Alkalies, Acids

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Nitrogen Industrial Grade	Not Established	Not Established

ENGINEERING CONTROLS/ VENTILATION: Ambient ventilation suitable, forced ventilation should not be required

RESPIRATORY PROTECTION: Not required with normal use.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves

ADDITIONAL MEASURES: Follow normal hygiene practices

EXPOSURE GUIDELINES: *N/A*

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear Viscous Gel Aerosol

ODOR: Bland odor

ODOR THRESHOLD: *N/D*

pH: 10.1-11.4

MELTING POINT/FREEZING POINT: *N/D*

INITIAL BOILING POINT AND BOILING RANGE: > 212°F (100°C)

FLASH POINT: *N/D*

EVAPORATION RATE: *N/D*

FLAMMABILITY(solid/gas): Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LOWER FLAMMABILITY LIMIT: *N/D*

UPPER FLAMMABILITY LIMIT: *N/D*

EXPLOSIVE LIMIT LOWER (%): *N/D*

EXPLOSIVE LIMIT UPPER(%): *N/D*

VAPOR PRESSURE (mm Hg): *N/D*

VAPOR DENSITY (AIR=1): *N/D*

RELATIVE DENSITY (H₂O=1): 0.97 - 1.07

SOLUBILITY(IES): *N/D*

PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): *N/D*

AUTOIGNITION TEMPERATURE: *N/D*

DECOMPOSITION TEMPERATURE: *N/D*

VISCOSITY: 20,000 - 45,000 cps

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SECTION X - STABILITY AND REACTIVITY

REACTIVITY: None Known
CHEMICAL STABILITY: Stable
POSSIBLE HAZARDOUS REACTIONS: None Known
CONDITIONS TO AVOID: Avoid incompatibles.
INCOMPATIBLE MATERIALS: Strong oxidizers, Alkalies, Acids
HAZARDOUS DECOMPOSITION PRODUCTS: None Known

SECTION XI - TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not Established
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: May cause irritation.
INGESTION: Not a likely route of exposure under normal product handling conditions.
INHALATION: May cause dizziness with excessive or prolonged exposure.
SKIN: Brief contact is not irritating. May cause irritation, dryness, and redness.
MEDICAL CONDITION AGGRAVATED: None known
ACUTE HEALTH HAZARDS: None Known
CHRONIC HEALTH HAZARDS: None known
CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION XII - ECOLOGICAL INFORMATION

ECOTOXICITY: Not Established
PERSISTENCE AND DEGRADABILITY: N/D
BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.
MOBILITY IN SOIL: N/D
OTHER ADVERSE EFFECTS: None Known

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container.
Wrap container and place in trash collection.
RCRA STATUS: Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.2
UN/NA NUMBER: UN 1950
PACKING GROUP: None

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Non-Flammable
HAZARD CLASS/DIVISION: 2.2
UN/NA NUMBER: UN 1950
PACKING GROUP: None

SHIPPING BY WATER:

VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Aerosols
HAZARD CLASS/DIVISION: 2.2
UN/NA NUMBER: UN 1950
PACKING GROUP: None
ENVIRONMENTAL HAZARDS WATER: None

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SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA 311/312 HAZARD CATEGORIES: None

SARA 313 REPORTABLE INGREDIENTS: None

CLEAN WATER ACT: None

STATEREGLATIONS: None

INTERNATIONAL REGULATIONS: None

VOLATILE ORGANIC COMPOUNDS (VOC): 0%

NFPA HEALTH: 1

HMIS HEALTH: 1

NFPA FLAMMABILITY: 0

HMIS FLAMMABILITY: 0

NFPAREACTMTY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: B

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Regulatory

DATE PREPARED: 12/12/2013

REVISION DATE: 02/04/2021

N/A= Not Applicable; *N/D* = Not Determined

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