

MATERIAL SAFETY DATA SHEET

HAZARD RATINGS HMIS



Health 2
Flammability 4
Reactivity 0
PPE X

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product K283924
MSDS Name SUPER-TAK TRM ADH 12/24 OZ
CAS # Mixture
Generic Description Aerosol Spray Flammable
Manufacturer BOSTIK FINDLEY, INC.
211 Boston Street
Middleton , MA 01949 USA

24 Hour Emergency Assistance

Phone: 1-800-227-0332

General Assistance

Phone: 1-978-777-0100

MSDS Assistance

Phone: 1-978-777-0100

2 COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
ACETONE	67-64-1	10 - 30
PROPANE	74-98-6	10 - 20
ISOBUTANE (CONTAINING >= 0.1% BUTADIENE (203-450-8))	75-28-5	10 - 20
DIMETHYL ETHER	115-10-6	10 - 30
HEXANE	110-54-3	25 - 45
Non-hazardous and other ingredients below reportable levels	Proprietary	Balance

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Product is a flammable aerosol. Pressurized container may explode when exposed to heat or flame. Contact may cause skin and eye irritation. Mist may cause nose and throat irritation. Ingestion may cause nausea, vomiting, pain, upset stomach, and diarrhea.

POTENTIAL HEALTH EFFECTS

SKIN CONTACT: This product may cause irritation to the skin. Prolonged or repeated contact with this product may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin.

EYE CONTACT: Liquid or vapors may irritate the eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Eye contact may lead to permanent damage if not treated promptly.

INHALATION: This product may cause irritation to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination. Possibly unconsciousness and asphyxiation.

INGESTION: This product is harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

MSDS Number 15110 **Product** K283924
Label Number 15110 **NA = Not Available** **ND = Not Determined**

TARGET ORGANS

Central Nervous System. Lungs. Skin. Eyes.

4 FIRST AID MEASURES

SKIN

For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

EYE

Immediately flush with plenty of water for at least 15 minutes, holding eyelids open at all times. Get medical attention immediately.

INHALATION

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Call a physician if symptoms develop or persist.

INGESTION

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If person is conscious and can swallow, immediately give two glasses of water, but do not induce vomiting. Material is corrosive. If vomiting occurs, give fluids again. Seek immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

NOTES TO PHYSICIAN

This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately. If overexposure to the solvents in this product is suspected, testing should include nervous system and brain effects including recent memory, mood, concentration, headaches and altered sleep patterns. Liver and kidney function should be evaluated.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Use dry chemical, carbon dioxide, or foam. Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools; this may result in frothing and increase fire intensity.

BASIC FIRE FIGHTING PROCEDURES

DANGEROUS when exposed to heat or flame. This material can be ignited by flame or spark under all normal atmospheric conditions. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Pressurized Container: May explode when exposed to heat or flame. Empty containers may retain product residue including Flammable or Explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers.

DUST EXPLOSION HAZARD

None Known

SENSITIVITY TO MECHANICAL IMPACT

Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors.

SENSITIVITY TO STATIC DISCHARGE

Sparks generated by static discharge may ignite this product or its vapors. All containers and equipment must be bonded or grounded to minimize risk.

UNUSUAL FIRE & EXPLOSION HAZARDS

During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a buildup of internal pressures. Cool with water.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Flash Point -156 F (-104 C)

Lower Explosive Limit 1 %

Upper Explosive Limit 18 %

6 ACCIDENTAL RELEASE MEASURES

EMERGENCY ACTION

Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Keep upwind of the spilled material and isolate exposure. Wear appropriate protective equipment and clothing during clean-up.

CONTAINMENT

Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams. Cover spills with non-flammable absorbent and place in closed chemical waste containers.

7 HANDLING & STORAGE

For Commercial Use Only - Not Packaged or Labeled for Home Use!

HANDLING

Keep this product from heat, sparks, or open flame. Avoid getting this material into contact with your skin and eyes. Avoid breathing mists or aerosols of this product. Use this product with adequate ventilation. Do not reuse the empty container.

STORAGE

Store in a cool, dry, well-ventilated area. Do not handle or store near an open flame, heat or other sources of ignition. Keep out of direct sunlight. Do not store above 120 F (49 C).

EMPTY CONTAINER PRECAUTION

Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits. Explosion proof exhaust ventilation should be used.

EYE PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Wear goggles or safety glasses with side shields.

SKIN PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Impervious gloves should be used at all times when handling this product. Recommended gloves include rubber, neoprene, nitrile or viton. Use of protective coveralls and long sleeves is recommended.

RESPIRATORY PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Avoid breathing vapor and/or mists. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator.

GENERAL

Eyewash fountains and emergency showers should be readily available. Use good industrial hygiene practices in handling this material.

EXPOSURE LIMITS

ACGIH 2000 - Time Weighted Averages

ACETONE	67-64-1	500 ppm TWA
HEXANE	110-54-3	50 ppm TWA
PROPANE	74-98-6	2500 ppm TWA

OSHA - Vacated PELs - Time Weighted Averages

ACETONE	67-64-1	750 ppm TWA; 1800 mg/m3 TWA
HEXANE	110-54-3	50 ppm TWA; 180 mg/m3 TWA
PROPANE	74-98-6	1000 ppm TWA; 1800 mg/m3 TWA

9 PHYSICAL & CHEMICAL PROPERTIES

Vapor Pressure	2172 mm Hg @ 21 deg C
Vapor Density	> 1 Air= 1
Target Solids	13.4 %
pH	N/A
Density	0.68 g/cc
Odor Threshold	N/A
Octanol/Water Coefficient	N/A
Odor	Mint
Color	Yellow
Physical State	Aerosol
Freeze Protect	No

10 STABILITY & REACTIVITY

STABILITY/INCOMPATIBILITY

Stable under normal conditions.

HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS

Upon decomposition of this product, the following oxides will be produced: Carbon dioxide, carbon monoxide, oxides of sulfur and nitrogen.

HAZARDOUS POLYMERIZATION

Will not occur.

CONDITIONS TO AVOID

Keep away from sources of ignition. Avoid contact with Strong Oxidizers, Reducers, Acids and Alkalis.

11 TOXICOLOGICAL INFORMATION

LD50

NIOSH - Selected LD50s and LC50s

ACETONE	67-64-1	Inhalation LC50 Rat : 50100 mg/m ³ /8H; Inhalation LC50 Mouse : 44 gm/m ³ /4H; Oral LD50 Rat : 5800 mg/kg; Oral LD50 Mouse : 3 gm/kg
DIMETHYL ETHER	115-10-6	Inhalation LC50 Rat : 308 gm/m ³
HEXANE	110-54-3	Inhalation LC50 Rat : 48000 ppm/4H; Oral LD50 Rat : 28710 mg/kg
ISOBUTANE (CONTAINING >= 0.1% BUTADIENE (203-450-8))	75-28-5	Inhalation LC50 Rat : 57 pph/15M

CARCINOGENICITY

This product itself is not a listed carcinogen by OSHA, IARC or NTP.

12 ECOLOGICAL INFORMATION

VOC (Volatile Organic Compounds) 555 g/l

ECOTOXICOLOGICAL INFORMATION

Organic solvents produce slight to moderate toxicity to aquatic life. Insufficient data exists to evaluate the effect on plants, birds or land animals.

13 DISPOSAL CONSIDERATIONS

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

WASTE DISPOSAL

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

14 TRANSPORT INFORMATION

COMMENTS

This product is regulated under International Air and IMDG Classification for Ocean Transport as an Aerosol, Class 2.1, UN1950, "Limited Quantity".

Proper Shipping Name Consumer Commodity
UN/NA Code ORM-D

15 REGULATORY INFORMATION

This MSDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200.

FEDERAL REGULATIONS

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA - Hazardous Substances and their Reportable Quantities

ACETONE	67-64-1	final RQ = 100 pounds (45.4 kg)
HEXANE	110-54-3	final RQ = 5000 pounds (2270 kg)

Based on an evaluation of the components used, this product does contain hazardous ingredients identified as per 29 CFR 1910.1200.

STATE REGULATIONS

If this product contains any ingredients listed under California Proposition 65, they will be noted below:

California - Prop. 65 - Cancer list

BENZENE	71-43-2	carcinogen; initial date 2/27/87
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California - Prop. 65 - Developmental Toxicity

BENZENE	71-43-2	developmental toxicity; initial date 12/26/97
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California - Prop. 65 - Reproductive - Male

BENZENE	71-43-2	male reproductive toxicity; initial date 12/26/97.
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INTERNATIONAL REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.

This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS). Class D Division 2 Sub-division B. Class B Division 5. and Class A.

EINECS Status not determined. All components of this product are listed either in the Canadian Domestic Substances List (DSL) or the Non-domestic Substance List (NDSL).

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES

Not Regulated

SARA 311/312 HAZARD CATEGORIES

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

SARA 313 TOXIC CHEMICALS

Component	CAS Number	Percentage
HEXANE	110-54-3	25 - 45

WHMIS RATINGS

Compressed Gas	X	Flammable/Combustible	X	Oxidizer	Acutely Toxic
Other Toxic Effects	X	Bio Hazardous		Corrosive	Dangerously Reactive

16 OTHER INFORMATION

DISCLAIMER

The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik Findley, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

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