



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name K150724
MSDS name SUPER-TAK HP 12/24 OZ
CAS # Mixture
Generic description Aerosol Spray Flammable
Manufacturer Bostik, Inc.
211 Boston Street
Middleton, MA 01949 USA
24 hour emergency assistance Telephone: 1-800-227-0332
General assistance Telephone: 1-978-777-0100
MSDS assistance Telephone: 1-414-607-1347

2. 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 will cause nausea, vomiting, pain, upset stomach, and diarrhea.

Potential health effects

Eyes 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.

Skin 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. Contact with liquefied gas may cause frostbite.

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.

Target organs Central Nervous System. Lungs. Skin. Eyes.

Signs and symptoms Signs and symptoms of overexposure to this product include headache, irritation of upper respiratory tract, asthmatic symptoms, chest tightness, breathing difficulty, coughing, eye irritation, skin irritation, diarrhea.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Acetone	67-64-1	15 - 40
Hexane	110-54-3	15 - 40
Propane	74-98-6	10 - 30
Dimethyl ether	115-10-6	10 - 30

4. First Aid Measures

First aid procedures

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

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

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.

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

Suitable 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.

Fire fighting equipment/instructions

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

Dust explosion hazard

None Known

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.

Flash point

-156 °F (-104.4 °C)

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. Wear appropriate protective equipment and clothing during clean-up.

Containment procedures

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.

Reporting

See Federal reporting requirements listed in Section 15. We recommend you contact local authorities to determine if there may be other local reporting requirements.

7. Handling and Storage

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.

Personal protective equipment

Eye protection

Wear goggles or safety glasses with side shields.

Skin and body protection

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

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.

Additional exposure data**US ACGIH Threshold Limit Values: Time Weighted Average (TWA): mg/m³ & ppm**

Hexane	110-54-3	N-HEXANE 50 PPM
Acetone	67-64-1	ACETONE 500 PPM

US OSHA Table Z-1-A: Time Weighted Average (TWA): mg/m³ & ppm

Hexane	110-54-3	N-HEXANE 180 MGM3 - 50 PPM
Acetone	67-64-1	ACETONE 1800 MGM3 - 750 PPM
Propane	74-98-6	PROPANE 1800 MGM3 - 1000 PPM

9. Physical & Chemical Properties

Density 0.69 g/cc

Odor Solvent

Color White

Physical state Aerosol

Freeze protect No

VOC (Volatile Organic Compounds) 54.2 %

10. Chemical Stability & Reactivity Information

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.

Stability Stable under normal conditions.

11. Toxicological Information

Chronic effects Chronic exposure to solvents can cause reproductive problems, reduced fertility, dryness and cracking of skin, headaches, loss of appetite and nausea.

Sensitization to material**US ACGIH Threshold Limit Values: Skin designation**

Hexane	110-54-3	Can be absorbed through the skin.
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12. Ecological Information

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

It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state and federal regulations.

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

DOT

Basic shipping requirements:

Proper shipping name Consumer Commodity
Hazard class ORM-D

IATA

Basic shipping requirements:

Proper shipping name Aerosols
Hazard class 2.1
UN number UN1950



IMDG

Basic shipping requirements:

Proper shipping name Aerosols
Hazard class 2.1
UN number UN1950



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.

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

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Formaldehyde	50-00-0	Listed: January 1, 1988 Carcinogenic.
Benzene	71-43-2	Listed: February 27, 1987 Carcinogenic.
Acetaldehyde	75-07-0	Listed: April 1, 1988 Carcinogenic.

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Benzene	71-43-2	Listed: December 26, 1997 Developmental toxin.
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US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Benzene	71-43-2	Listed: December 26, 1997 Male reproductive toxin.
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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.

HMIS Ratings
Health: 2*
Flammability: 4
Physical hazard: 1
Personal protection: X

SARA 311/312 HAZARD CATEGORIES

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

WHMIS status

WHMIS labeling



WHMIS classification

A - Compressed Gas
B5 - Flammable/Combustible
D2A - Other Toxic Effects-VERY TOXIC
D2B - Other Toxic Effects-TOXIC

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, 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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Prepared by

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Supersedes

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