

Safety Data Sheet acc. to OSHA HCS

Printing date 10/11/2023

Version 1.0

Last revision 10/10/2023

1 Identification

- **Product name:** Mold Release Spray, Aerosol Spray
- **Part number:** 200-10004
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Allied High Tech Products Inc.
2376 East Pacifica Place
USA-RANCHO DOMINGUEZ, CA 90220
USA
info@alliedhightech.com
- **Information department:** Product safety department
- **Emergency telephone number:**
During normal opening times: +1 (310) 635-2466
Chemtrec: +1 (202) 483-7616

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Aerosols 2

H223

Flammable aerosol.



GHS04 Gas cylinder

Gases under Pressure - Compressed gas

H280

Contains gas under pressure; may explode if heated.



GHS08 Health hazard

Toxic to Reproduction 1B

H360

May damage fertility or the unborn child.

Specific Target Organ Toxicity - Repeated Exposure 2

H373

May cause damage to organs through prolonged or repeated exposure.



GHS07

Acute Toxicity - Dermal 4

H312

Harmful in contact with skin.

Skin Irritation 2

H315

Causes skin irritation.

Eye Irritation 2A

H319

Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure 3

H335-H336

May cause respiratory irritation. May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Version 1.0

Last revision 10/10/2023

Product name: Mold Release Spray, Aerosol Spray

(Contd. of page 1)

· Hazard pictograms

GHS02 GHS04 GHS07 GHS08

· Signal word Danger**· Hazard-determining components of labeling:**

1-bromopropane

Distillates (petroleum), hydrotreated light

· Hazard statements

Flammable aerosol.

Contains gas under pressure; may explode if heated.

Harmful in contact with skin.

Causes skin irritation.

Causes serious eye irritation.

May damage fertility or the unborn child.

May cause respiratory irritation. May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash contaminated body parts thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear eye protection / face protection.

Use personal protective equipment as required.

If on skin: Wash with plenty of soap and water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

· Chemical characterization: Mixtures**· Description:** Mixture of the substances listed below with nonhazardous additions.**· Hazardous components and components with occupational exposure limits:**

106-94-5	1-bromopropane ⚠ Flammable Liquids 2, H225; ⚠ Carcinogenicity 2, H351; Toxic to Reproduction 1B, H360; Specific Target Organ Toxicity - Repeated Exposure 2, H373; ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335-H336	75-85%
68476-86-8	Petroleum gases, liquefied, sweetened ⚠ Flammable Gases 1, H220; ⚠ Gases under Pressure - Compressed gas, H280; ⚠ Germ Cell Mutagenicity 1B, H340; Carcinogenicity 1A, H350	8-15%

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Version 1.0

Last revision 10/10/2023

Product name: Mold Release Spray, Aerosol Spray

(Contd. of page 2)

64742-47-8	Distillates (petroleum), hydrotreated light ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Specific Target Organ Toxicity - Single Exposure 3, H336	1-5%
<ul style="list-style-type: none"> · Non-hazardous components: 		
Proprietary Ingredient		1-5%

4 First-aid measures

- **Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** If symptoms persist consult doctor.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**

Headache

Dizziness

Nausea

Dermatitis

Eye irritation

- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

- **Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.

- **Advice for firefighters**

- **Protective equipment:** Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

- **Environmental precautions:** No special measures required.

- **Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Protect from heat and direct sunlight.

Ensure proper ventilation/exhaustion at workplaces.

Open and handle receptacle with care.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Version 1.0

Last revision 10/10/2023

Product name: Mold Release Spray, Aerosol Spray

(Contd. of page 3)

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store receptacle in a well ventilated area.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No additional data. See 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

106-94-5 1-bromopropane	
TLV	Long-term value: 0.1 ppm A3

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Use suitable respiratory protective device when high concentrations are present.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Eye protection:**
Safety glasses



Tightly sealed goggles

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Aerosol
 - Color:** White
 - Odor:** Mild

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/11/2023

Version 1.0

Last revision 10/10/2023

Product name: Mold Release Spray, Aerosol Spray

(Contd. of page 4)

· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition Melting point/Melting range: Boiling point/Boiling range:	<-45 °C (<-49 °F) 39-87 °C (102.2-188.6 °F)
· Flash point:	Not applicable, as aerosol.
· Flammability (solid, gaseous):	Not applicable.
· Auto igniting:	490 °C (914 °F)
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Not determined.
· Explosion limits: Lower: Upper:	Not determined. Not determined.
· Vapor pressure at 20 °C (68 °F): · Vapor pressure at 50 °C (122 °F):	78.7 hPa (59 mm Hg) 500 hPa (375 mm Hg)
· Density:	Not determined.
· Bulk density: · Relative density · Vapor density · Evaporation rate	1 kg/m ³ Not determined. Not determined. Not applicable.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
· Solvent content: VOC content:	0.91-4.55 %
Solids content:	0.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Version 1.0

Last revision 10/10/2023

Product name: Mold Release Spray, Aerosol Spray

(Contd. of page 5)

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

106-94-5 1-bromopropane		
Inhalative	LC50/4 h	253 mg/l (rat)
64742-47-8 Distillates (petroleum), hydrotreated light		
Dermal	LD50	3,160 mg/kg (rabbit)

- **Primary chemical irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

Specific Target Organ Toxicity - Single Exposure 3 - Target Organ: central nervous system depression

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

106-94-5	1-bromopropane		2B
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- **NTP (National Toxicology Program)**

106-94-5	1-bromopropane		R
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- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Contact waste processors for recycling information.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, IMDG, IATA**

UN1950

- **UN proper shipping name**

- **DOT**

Aerosols, flammable

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS



Printing date 10/11/2023

Version 1.0

Last revision 10/10/2023

Product name: Mold Release Spray, Aerosol Spray

(Contd. of page 6)

<ul style="list-style-type: none"> · IMDG · IATA 	<p>AEROSOLS AEROSOLS, flammable</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	
<div style="text-align: center;">  </div> <ul style="list-style-type: none"> · Class · Label 	<p>2.1 Gases 2.1</p>
<ul style="list-style-type: none"> · IMDG, IATA 	
<div style="text-align: center;">  </div> <ul style="list-style-type: none"> · Class · Label 	<p>2.1 Gases 2.1</p>
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	<p>not regulated</p>
<ul style="list-style-type: none"> · Environmental hazards: 	<p>Not applicable.</p>
<ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Code · Segregation Code 	<p>Warning: Gases - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable.</p>
<ul style="list-style-type: none"> · Transport/Additional information: · DOT · Quantity limitations · Limited quantities (LQ) · Transport category · Tunnel restriction code 	<p>On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg 1L 2 D</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<p>1L Code: E0 Not permitted as Excepted Quantity</p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<p>UN 1950 AEROSOLS, 2.1</p>

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Version 1.0

Last revision 10/10/2023

Product name: Mold Release Spray, Aerosol Spray

(Contd. of page 7)

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

106-94-5	1-bromopropane
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· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

106-94-5	1-bromopropane
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· **Proposition 65**

· **Chemicals known to cause cancer:**

106-94-5	1-bromopropane
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· **Chemicals known to cause reproductive toxicity for females:**

106-94-5	1-bromopropane
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· **Chemicals known to cause reproductive toxicity for males:**

106-94-5	1-bromopropane
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· **Chemicals known to cause developmental toxicity:**

106-94-5	1-bromopropane
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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on the current state of our knowledge. However, they do not describe a guarantee of product properties and do not establish a contractual legal relationship.

· **Department issuing SDS:** Technical Services

· **Contact:** Pablo Mendoza

· **Last revision / supersedes version:** 10/10/2023

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flammable Gases 1: Flammable gases – Category 1

Flammable Aerosols 2: Aerosols – Category 2

Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas

Flammable Liquids 2: Flammable liquids – Category 2

Flammable Liquids 3: Flammable liquids – Category 3

Acute Toxicity - Dermal 4: Acute toxicity – Category 4

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B

Carcinogenicity 1A: Carcinogenicity – Category 1A

Carcinogenicity 2: Carcinogenicity – Category 2

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/11/2023

Version 1.0

Last revision 10/10/2023

Product name: Mold Release Spray, Aerosol Spray

(Contd. of page 8)

Toxic to Reproduction 1B: Reproductive toxicity – Category 1B

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

Aspiration Hazard 1: Aspiration hazard – Category 1