

SECTION 1 Identification

1.1. Product identifier

Product form : Article
Trade name : Stick-on HT
Product code : Stick-on HT

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Adhesive

1.4. Supplier's details

Hottinger Brüel & Kjaer
19 Bartlett St.
Marlborough, MA 01590
USA
T 1-508-804-3268
support.@hbm.com

1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)
CCN 1015295
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

| | | |
|--|------|---|
| Skin corrosion/irritation, Category 2 | H315 | Causes skin irritation. |
| Serious eye damage/eye irritation, Category 2A | H319 | Causes serious eye irritation. |
| Skin sensitization, Category 1 | H317 | May cause an allergic skin reaction. |
| Germ cell mutagenicity, Category 2 | H341 | Suspected of causing genetic defects. |
| Specific target organ toxicity — Repeated exposure, Category 2 | H373 | May cause damage to organs (kidneys, liver) through prolonged or repeated exposure. |

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) : 

Signal word (GHS US) : Warning
Hazard statements (GHS US) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Precautionary statements (GHS US)

H341 - Suspected of causing genetic defects.
H373 - May cause damage to organs (kidneys, liver) through prolonged or repeated exposure
: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe fume.
Wash hands, forearms and face thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye and face protection.
If on skin: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.
IF IN 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.
Get medical advice or attention if you feel unwell.
Store locked up.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|--|--------------------|----------|---|
| Formaldehyde, oligomeric reaction products with phenol | CAS-No.: 9003-35-4 | 80 – 100 | Eye Irrit. 2A, H319 Skin Sens. 1, H317 |
| Methenamine | CAS-No.: 100-97-0 | 1 – 5 | Flam. Sol. 2, H228 Skin Sens. 1, H317 |
| Phenol | CAS-No.: 108-95-2 | 1 – 3 | Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Muta. 2, H341 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 1, H410 |
| 4,4'-methylenediphenol | CAS-No.: 620-92-8 | 0.1 – 1 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 STOT SE 3, H335 |

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact | : IF IN 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/attention. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell. |

4.2. Most important symptoms/effects, acute and delayed

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Eye irritation. Redness, pain. |
| Symptoms/effects after ingestion | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. |
| Most Important Symptoms/Effects | : Causes skin and eye irritation. May cause an allergic skin reaction. |
| Chronic symptoms | : Suspected of causing genetic defects. May cause damage to organs (kidneys, liver) through prolonged or repeated exposure. |

4.3. Indication of immediate medical attention and special treatment needed, if necessary

| | |
|-----------------------------------|--|
| Other medical advice or treatment | : IF exposed or concerned: Get medical advice/attention. |
|-----------------------------------|--|

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| | |
|--------------------------------|---|
| Suitable extinguishing media | : Dry chemical, CO ₂ , or water spray or regular foam. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Specific hazards arising from the chemical

| | |
|--|--|
| Fire hazard | : No fire hazard. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Sulfur oxides. |

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|--|
| Firefighting instructions | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Cool affected containers with flooding quantities of water. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid all personal contact including breathing in the dust, vapors. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. Notify authorities if product enters sewers or public waters.
- For non-emergency personnel**
- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Do not breathe fume, vapors, dust. Avoid contact with skin and eyes. If possible without taking personal risks, Remove ignition sources, ventilate area. Prevent other non-emergency personnel from entering the danger area.
- For emergency responders**
- Protective equipment : Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Do not touch spilled material. Ventilate spillage area.
- Environmental precautions : Do not let the product reach soil, drains, sewers, or surface and ground water.

6.2. Methods and materials for containment and cleaning up

- For containment : Using a clean shovel, put the material in a dry container and cover without compressing it. Avoid dust formation.
- Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Decontaminate surfaces and equipment with water. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Notify authorities if product enters sewers or public waters. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe fume, vapors, dust. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharge.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including incompatibilities

- Storage conditions : Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container tightly closed.
- Incompatible materials : Oxidizing agents. Nitrates. Sodium hypochlorite.
- Packaging materials : Store always product in container of same material as original container.

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

Hand protection:

Wear protective gloves. Chemically impervious gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138

Eye protection:

Safety glasses

Skin and body protection:

Body protection should be chosen depending on activity and possible exposure

Respiratory protection:

An approved organic vapor respirator/supplied-air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits. In case of emergency: Use a positive pressure self-contained breathing apparatus (SCBA).

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

- Physical state : Solid
- Appearance : Film.
- Color : Brown
- Odor : No data available
- Odor threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : Not applicable
- Boiling point : No data available
- Flash point : Not applicable
- Flammability (solid, gas) : Non flammable.
- Vapor pressure : No data available

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

| | |
|---|---------------------|
| Relative vapor density at 20°C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : Not applicable |
| Explosion limits | : Not applicable |
| Particle characteristics | : No data available |

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Incompatible materials.

10.5. Incompatible materials

Oxidizing agents. Nitrates. Sodium hypochlorite.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Sulfur oxides.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|-------------------|
| Acute toxicity (oral) | : Not classified. |
| Acute toxicity (dermal) | : Not classified. |
| Acute toxicity (inhalation) | : Not classified. |

Formaldehyde, oligomeric reaction products with phenol

| | |
|-----------------------|--------------------------|
| LD50 oral rat | > 5000 mg/kg body weight |
| LD50 dermal rat | > 2000 mg/kg body weight |
| LC50 Inhalation - Rat | > 5 mg/l air |

Methenamine

| | |
|-----------------|---------------------------|
| LD50 oral rat | > 20000 mg/kg body weight |
| LD50 dermal rat | > 2000 mg/kg body weight |

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

| Phenol | |
|--|---|
| LD50 oral rat | 317 mg/kg body weight |
| LD50 dermal rabbit | 660 mg/kg |
| 4,4'-methylenediphenol | |
| LD50 oral rat | 4950 mg/kg |
| Skin corrosion/irritation | : Causes skin irritation. |
| Formaldehyde, oligomeric reaction products with phenol | |
| Human Skin Model (HSM) test | Not irritating |
| Phenol | |
| Specific concentration limitsSkin corrosion/irritation Category 1B, rabbit | C ≥ 3 % |
| Skin corrosion/irritation Category 2 | 1 % ≤ C < 3 % |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Formaldehyde, oligomeric reaction products with phenol | |
| Serious eye damage/irritation, rabbit | Irritating to eyes |
| Phenol | |
| Specific concentration limitsSerious eye damage/eye irritation Category 2 | 1 % ≤ C < 3 % |
| Respiratory or skin sensitization | : May cause an allergic skin reaction. |
| Formaldehyde, oligomeric reaction products with phenol | |
| Patch test, human | Sensitiser |
| 4,4'-methylenediphenol | |
| Additional information | Sensitizing to guinea pigs on cutaneous application |
| Germ cell mutagenicity | : Suspected of causing genetic defects. |
| Carcinogenicity | : Not classified |
| Methenamine | |
| NOAEL (chronic,oral,animal/male,2 years) | 1500 – 2000 mg/kg body weight |
| NOAEL (chronic,oral,animal/female,2 years) | 2000 – 2500 mg/kg body weight |
| Phenol | |
| IARC group | 3 - Not classifiable |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| 4,4'-methylenediphenol | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | : May cause damage to organs (kidneys, liver) through prolonged or repeated exposure. |

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

| Formaldehyde, oligomeric reaction products with phenol | |
|---|---|
| NOAEL (oral,rat,90 days) | 1000 mg/kg body weight |
| Phenol | |
| LOAEL (dermal,rat/rabbit,90 days) | 260 mg/kg body weight |
| NOAEL (dermal,rat/rabbit,90 days) | 130 mg/kg body weight |
| STOT-repeated exposure | May cause damage to organs (kidneys, liver) through prolonged or repeated exposure. |
| Aspiration hazard | : Not classified |
| Stick-on HT | |
| Viscosity, kinematic | Not applicable |
| Symptoms/effects after inhalation | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Eye irritation. Redness, pain. |
| Symptoms/effects after ingestion | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. |
| Most Important Symptoms/Effects | : Causes skin and eye irritation. May cause an allergic skin reaction. |
| Chronic symptoms | : Suspected of causing genetic defects. May cause damage to organs (kidneys, liver) through prolonged or repeated exposure. |

SECTION 12 Ecological information

12.1. Ecotoxicity

| | |
|---|--|
| Ecology - general | : Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

Methenamine

| | |
|-----------------|--------|
| LC50 - Fish [1] | 41 g/l |
| LC50 - Fish [2] | 49 g/l |

Phenol

| | |
|----------------------|------------|
| EC50 - Crustacea [1] | 3.1 mg/l |
| EC50 72h - Algae [1] | 180 mg/l |
| EC50 72h - Algae [2] | 217.6 mg/l |
| NOEC (chronic) | 0.16 mg/l |
| NOEC chronic fish | 0.077 mg/l |

12.2. Persistence and degradability

Stick-on HT

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

Formaldehyde, oligomeric reaction products with phenol

| | |
|-------------------------------|--|
| Persistence and degradability | >60 % biodegradation Not rapidly degradable. |
|-------------------------------|--|

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

| Methenamine | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
| Phenol | |
| Persistence and degradability | Not rapidly degradable |
| 4,4'-methylenediphenol | |
| Persistence and degradability | Not rapidly degradable |

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations. Refer to all applicable national, international and local regulations or provisions.
Additional information : Do not re-use empty containers.
Ecological waste information : Avoid release to the environment.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

| DOT | IMDG | IATA |
|---|---------------|---------------|
| 14.1. UN number | | |
| Not regulated for transport | | |
| 14.2. Proper Shipping Name | | |
| Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | |
| Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | |
| Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | |
| | Not regulated | |
| No supplementary information available | | |

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| | | |
|--------|------------------|--------|
| Phenol | CAS-No. 108-95-2 | 1 – 3% |
|--------|------------------|--------|

Phenol (108-95-2)

Listed on EPA Hazardous Air Pollutant (HAPS)

| | |
|-----------|---------|
| CERCLA RQ | 1000 lb |
|-----------|---------|

| | |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 1000 lb |
|--|---------|

| | |
|--|--|
| SARA Section 302 Threshold Planning Quantity (TPQ) | 10000 lb 500lb if the substance is solid in powder form with particle size less than 100 microns, or is in solution or molten form |
|--|--|

15.2. International regulations

CANADA

Formaldehyde, oligomeric reaction products with phenol (9003-35-4)

Listed on the Canadian DSL (Domestic Substances List)

Methenamine (100-97-0)

Listed on the Canadian DSL (Domestic Substances List)

Phenol (108-95-2)

Listed on the Canadian DSL (Domestic Substances List)

4,4'-methylenediphenol (620-92-8)

Listed on the Canadian NDSL (Non-Domestic Substances List)

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

EU-Regulations

No additional information available

National regulations

Formaldehyde, oligomeric reaction products with phenol (9003-35-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Methenamine (100-97-0)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Phenol (108-95-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component | State or local regulations |
|-----------------------|---|
| Methenamine(100-97-0) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List |
| Phenol(108-95-2) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List |

SECTION 16 Other information

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 7/11/2025

Issue date : 12/13/2024

| Full text of hazard classes and H-statements | |
|--|---|
| H228 | Flammable solid |
| H301 | Toxic if swallowed |
| H311 | Toxic in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H335 | May cause respiratory irritation |
| H341 | Suspected of causing genetic defects. |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H401 | Toxic to aquatic life |

Stick-on HT

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Full text of hazard classes and H-statements

| | |
|------|--|
| H410 | Very toxic to aquatic life with long lasting effects |
|------|--|

Indication of changes:

HazCom 2024.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.