



Mercedes-Benz

A009 989 63 71**Betawipe 4000****Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 12/16/2022

Version: 1.0

SECTION 1: Identification**1.1. Identification**

Product form : Mixture
 Product name : Betawipe 4000
 Product code : A009 989 63 71

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Activator

1.3. Supplier

Mercedes-Benz USA, LLC.
 One Mercedes-Benz Drive
 Sandy Springs, GA 30328-4312 - USA
 1 770 705 0600 (available 8AM to 8 PM EST Mon-Fri)

1.4. Emergency telephone number

Chemtrec 1-800-424-9300 (24/7)

SECTION 2: Hazard(s) identification**2.1. Classification of the substance or mixture****GHS-US classification**

Flam. Liq. 2 H225
 Eye Irrit. 2 H319
 STOT SE 3 H336

2.2. GHS Label elements, including precautionary statements**GHS US labelling**

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H225 - Highly flammable liquid and vapour.
 H319 - Causes serious eye irritation.
 H336 - May cause drowsiness or dizziness.

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 - Keep container tightly closed.
 P240 - Ground/Bond container and receiving equipment.
 P241 - Use explosion-proof electrical/ventilating/lighting equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P261 - Avoid breathing mist/vapours/spray.
 P264 - Wash hands, forearms and face thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area.
 P280 - Wear protective gloves, protective clothing, chemical goggles, & face protection.
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P312 - Call a poison center or doctor if you feel unwell.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P370+P378 - In case of fire: Use media other than water to extinguish.
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 - Store in a well-ventilated place. Keep cool.
 P405 - Store locked up.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in



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accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable

3.2. Mixtures

Name	Product identifier	%
Ethyl acetate	(CAS-No.) 141-78-6	85 – 95

Comments : In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret.

SECTION 4: First-aid measures**4.1. Description of first aid measures**

- First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : IF ON SKIN (or clothing), remove affected clothing and wash all exposed skin with water for at least 15 minutes.
- 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 : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : May cause drowsiness or dizziness.
- Symptoms/effects after inhalation : May cause drowsiness or dizziness.
- Symptoms/effects after skin contact : May cause skin irritation.
- Symptoms/effects after eye contact : Causes serious eye irritation.
- Symptoms/effects after ingestion : May cause minor gastrointestinal irritation.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures**5.1. Suitable (and unsuitable) extinguishing media**

- Suitable extinguishing media : Foam. Carbon dioxide (CO₂). Dry chemical powder.
- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.2. Specific hazards arising from the chemical

- Fire hazard : Flammable liquid and vapour.
- Explosion hazard : Static discharge may serve as an ignition source for this product. Pressurised container: May burst if heated.
- Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Vapors may travel long distances along ground before igniting/flashing back to vapour source. This material is flammable and may be ignited by heat, sparks, or static electricity.



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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

General measures

: Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). Avoid vapor formation. In case of spills, beware of slippery floors and surfaces. Eliminate all ignition sources if safe to do so. Vapor may cause flash fires. Vapors are heavier than air and can travel long distances to ignition sources.

6.1.1. For non-emergency personnel

Protective equipment

: Wear Protective equipment as described in Section 8.

Emergency procedures

: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment

: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment

: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up

: Remove all sources of ignition. Avoid breathing of vapors. Wear appropriate respirator and other protective clothing. Ventilate. Shut off source of leak only if safe to do so. Soak up with absorbent material, and place in non-leaking containers for proper disposal.

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Precautions for safe handling

: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep away from heat, sparks and open flames. Use adequate ventilation and avoid repeated or prolonged skin contact. Provide good ventilation in process area to prevent formation of vapour. Ground/bond container and receiving equipment. Prohibit smoking in storage area. Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a well-ventilated place. Keep container tightly closed. Isolate from oxidizers, heat, sparks, electrical equipment and open flame. Closed containers may explode if exposed to extreme heat. Store in a dry, cool and well-ventilated place. Prohibit smoking in storage area.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Ethyl acetate (141-78-6)		
ACGIH	ACGIH OEL TWA [ppm]	400 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: URT & eye irr
ACGIH	Regulatory reference	ACGIH 2022
OSHA	OSHA PEL TWA [1]	1400 mg/m ³
OSHA	OSHA PEL TWA [2]	400 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
IDLH	IDLH [ppm]	2000 ppm (10% LEL)
NIOSH	NIOSH REL TWA	1400 mg/m ³
NIOSH	NIOSH REL TWA [ppm]	400 ppm



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8.2. Appropriate engineering controls

Appropriate engineering controls

: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas. Emergency eye wash stations and safety showers should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures/Personal protective equipment**Hand protection:**

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier

Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles

Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection:

Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved dust respiratory protective equipment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Color	: Yellow
Odor	: Ester-like
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: -84 °C
Boiling point	: 77 °C
Flash point	: -4 °C 24.8°F closed cup
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: 100.25 hPa estimated
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 0.93 g/cm ³ estimated
Solubility	: Water: 8 % Literature data
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: 427 °C value from literature
Decomposition temperature	: No data available
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: Not determined
Explosive limits	: No data available No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

Other properties : Solid content (%) 11.6%.



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SECTION 10: Stability and reactivity**10.1. Reactivity**

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Electrostatic discharge Heat.

10.5. Incompatible materials

Strong Oxidising Agents. Strong acids. Bases

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide

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
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: Not determined
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May cause minor gastrointestinal irritation.

SECTION 12: Ecological information**12.1. Toxicity**

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available



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SECTION 13: Disposal considerations**13.1. Disposal methods**

- Sewage disposal recommendations : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without a NPDES permit.
- Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information**Department of Transportation (DOT)**

In accordance with DOT

- Transport document description (DOT) : UN1173 Ethyl acetate, 3, II
- UN-No.(DOT) : UN1173
- Proper Shipping Name (DOT) : Ethyl acetate
- Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
- Packing group (DOT) : II - Medium Danger
- Hazard labels (DOT) : 3 - Flammable liquid



DOT Quantity Limitations Passenger aircraft/rail : 5 L
(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 60 L
CFR 175.75)

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Emergency Response Guide (ERG) Number : 128

Other information : No supplementary information available.

Transportation of Dangerous Goods

Not applicable

Transport by sea (IMDG)

- Transport document description (IMDG) : UN 1173 Ethyl acetate, 3, II
- UN-No. (IMDG) : 1173
- Proper Shipping Name (IMDG) : Ethyl acetate
- Class (IMDG) : 3 - Flammable liquids
- Packing group (IMDG) : II - substances presenting medium danger
- Limited quantities (IMDG) : 1 L

Air transport (IATA)

- Transport document description (IATA) : UN 1173 Ethyl acetate, 3, II
- UN-No. (IATA) : 1173
- Proper Shipping Name (IATA) : Ethyl acetate
- Class (IATA) : 3 - Flammable Liquids
- Packing group (IATA) : II - Medium Danger



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SECTION 15: Regulatory information**15.1. US Federal regulations****Betawipe 4000**

All chemical substances in this product are listed as "Active" in the EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule") of Feb. 2019, as amended Feb. 2021, or are otherwise exempt or regulated by other agencies such as FDA or FIFRA

SARA Section 311/312 Hazard Classes

Physical hazard - Flammable (gases, aerosols, liquids, or solids)

Health hazard – Serious eye damage or eye irritation

Health hazard – Specific target organ toxicity (single or repeated exposure)

All components of this product are listed, or exempt from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Phenol, 4-isocyanato-, phosphorothioate (3:1) (ester)

CAS-No. 4151-51-3

5 – 15%

Ethyl acetate (141-78-6)

CERCLA RQ

5000 lb

Chlorobenzene (108-90-7)

CERCLA RQ

100 lb

15.2. International regulations

No additional information available

15.3. US State regulations

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

Component	State or local regulations
Ethyl acetate(141-78-6)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Chlorobenzene(108-90-7)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

SECTION 16: Other information

NFPA health hazard

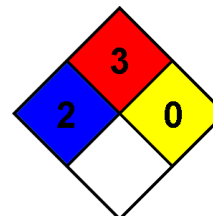
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



HMIS Hazard Rating

Health : 2

Flammability : 3

Physical : 0

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.