

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)
BEVA 371 Solution

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Distributor's name Museum Services Corporation	Emergency Telephone Number 651-450-8954
Address (Number, Street, City, State and ZIP Code) 385 Bridgepoint Way South Saint Paul, MN 55075	Telephone Number for Information 651-450-8954
	Date Prepared 01/31/2020
	Signature of Preparer (optional)

Section II—Hazardous Identification

Hazard classification

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Flammable liquids - Category 2

Skin irritation- Category 2

Reproductive toxicity - Category 2

Specific target organ toxicity - repeated exposure - Category 1 – Inhalation

Chronic aquatic toxicity - Category 2

Label elements

Hazard pictograms



Signal word: **DANGER!**

Hazards

Flammable liquid and vapour.

Causes skin irritation.

May cause drowsiness or dizziness.

Suspected of damaging fertility or the unborn child.

Causes damage to organs (Central nervous system) through prolonged or repeated exposure.

Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

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.

Keep container tightly closed.

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

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/ eye protection/ face protection.

Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF exposed or concerned: Get medical advice/ attention.
Do NOT induce vomiting.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage

Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal

Dispose of contents/ container to an approved waste disposal plant.

Other hazards

no data available

Section III—Composition/Information on Ingredients

Component	CASRN	Concentration	
Hydrocarbons, C9-C10, n-Alkanes, Isoalkanes, Cyclenes, <2 % Aromatics		7-9%	
Hydrocarbons, C7-C9, Isoalkanes		15-20%	
Toluene	108-88-3	24-29%	
Naphtha (petroleum), hydrotreated heavy	64742-48-9	10-16%	

Section IV—First Aid Measures

Description of first aid measures

Inhalation: Move to fresh air. Give artificial respiration if breathing has stopped. In case of shortness of breath, give oxygen. Consult a physician.

Skin contact: Remove contaminated clothing. Wash off with soap and plenty of water. If symptoms persist, call a physician.

Eye contact: Rinse with plenty of water. If eye irritation persists, consult a specialist.

Ingestion: Do NOT induce vomiting. Drink 1 or 2 glasses of water. IMMEDIATELY see a physician. If vomiting occurs spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: No information available.

Indication of any immediate medical attention and special treatment needed

Notes to physician: No information available.

Section V—Fire and Explosion Hazard Data

Extinguishing Media - Use alcohol-resistant foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures – In case of fire: hazardous gases/vapors may be released.

Advice for firefighters (Fire Fighting Procedures): EXPLOSION HAZARD. Fight advanced fires from a protected location. Cool closed containers exposed to fire with water spray. Remain upwind. Avoid breathing smoke.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus and full protective gear. Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system. Cool exposed containers with water spray.

Section VI—Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow.

Environmental precautions: WARNING: KEEP SPILLS AND CLEANING RUNOFFS OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER.

Methods and materials for containment and cleaning up: Eliminate all ignition sources. Evacuate personnel to safe areas. Ventilate the area. Floor may be slippery; use care to avoid falling. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal. No sparking tools should be used. Avoid breathing vapor. NOTE: Spills on porous surfaces can contaminate groundwater.

Section VII—Handling and Storage

Precautions for safe handling: Provide adequate ventilation. Keep away from flames and sparks. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue, follow all MSDS and label warnings even after container is emptied. Provide adequate ventilation, also in floor area (vapors are heavier than air).

Conditions for safe storage: Avoid temperature extremes during storage; ambient temperature preferred. Store away from excessive heat (e.g. steam pipes, radiators), from sources of ignition and from reactive materials. Material can burn; limit indoor storage to approved areas equipped with automatic sprinklers. Store out of direct sunlight in a cool place. Keep containers tightly closed in a cool, well-ventilated place. Avoid all ignition sources. Ground all metal containers during storage and handling.

Section VIII—Exposure Control /Personal Protection

Respiratory Protection (*Specify Type*) Respiratory equipment required in case of insufficient ventilation. Filter type AX-P2 (organic vapors).

Engineering Controls: Provide adequate ventilation/exhaust system.

Technical protective measures have priority to personal protective measures. Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.

Protective measures: Avoid contact with eyes and skin.

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Protective Gloves: Chemical-resistant gloves should be worn whenever this material is handled. The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Nitrile rubber. Butyl-rubber. Solvent-resistant gloves. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water.

Eye Protection: Chemical resistant goggles must be worn. Eye protection worn must be compatible with respiratory protection system employed.

Section IX—Physical and Chemical Properties

Appearance

Physical state - Gel

Color – Opalescent yellow

Odor - Characteristic

Odor Threshold - no data available

pH - no data available

Melting point/range- no data available

Freezing point - no data available

Boiling point (760 mmHg) - no data available

Flash point Pensky-Martens closed cup - < 21 °C

Evaporation Rate – Not Applicable

Flammability (solid, gas) Not Applicable

Lower explosion limit - no data available

Upper explosion limit - no data available

Vapor Pressure – Not Applicable

Relative Vapor Density (air = 1) - no data available

Relative Density (water = 1) - no data available

Water solubility - Insoluble

Partition coefficient: noctanol/water - no data available

Auto-ignition temperature - no data available

Decomposition temperature - no data available

Dynamic Viscosity - no data available

Kinematic Viscosity - no data available

Explosive properties - no data available

Oxidizing properties- no data available

Molecular weight no data available

NOTE: The physical data presented above are typical values and should not be construed as a specification.

Section X—Stability and Reactivity

Reactivity: Stable if used according to specifications.

Chemical stability: Stable if used according to specifications.

Possibility of hazardous reactions: Vapors in combination with air can form an explosive compound.

Toluene:

Risk of explosion with fuming sulfuric acid, nitric acid, silver perchlorates, nitrogen dioxide, non-metal halogenides, acetic acid, organic nitrocompounds.

Vigorous reactions possible with strong oxidizing agents, strong acids, sulfur.

Conditions to avoid: Avoid direct sunlight and heat. Avoid electrostatic charging.

Incompatible materials: None known.

Hazardous decomposition products: In the event of fire: see chapter 5.

Section XI—Toxicological Information

Toxicological information appears in this section when such data is available.

This product must be handled correctly because of its possible teratogenic effects, which may be toxic and damage the foetus.

Information on Toxicological Effects

Acute Toxicity

LD50, oral: Symptoms: ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

LD50, dermal: Symptoms: irritation, erythema, edema, dryness and chapped skin.

LC50, inhalation: No information available.

Primary effects

Irritant effect on skin: Irritating to skin.

Irritant effect on eyes: Slight irritant effect possible.

Inhalation: Can cause irritation of the respiratory system.

Ingestion: Harmful if swallowed.

Sensitization: No relevant data found.

Mutagenicity: No relevant data found.

Reproductive toxicity: Suspected of damaging the unborn child.

Carcinogenicity: No relevant data found.

Teratogenicity: Toluene is embryofetotoxic and teratogenic.

Specific target organ toxicity (STOT):

Single exposure: may cause drowsiness or dizziness. Repeated exposure: may cause damage to organs through prolonged or repeated exposure.

Additional toxicological information: Long-term exposure may cause dry skin and mucous membranes, anorexia, weight loss, vomiting, diarrhea, skin rash, hair loss, convulsions and anemia.

Toluene: It has a toxic effect on the central and peripheral nervous system (with encephalopathies and polyneuritis). Irritating to the skin, conjunctivae, cornea and respiratory system.

Section XII—Ecological Information

Ecotoxicological information appears in this section when such data is available.

General Information

There is no data available for this product.

Toxicity

Acute toxicity to fish - Toxic for aquatic organisms. In the long-term, it has negative effects on the aquatic environment.

Persistence and degradability : No relevant data found.

Biodegradability: No relevant data found.

Bioaccumulative potential : No relevant data found.

Mobility: No relevant data found.

Results of PBT- und vPvP Assessment: On the basis of available data, the product does not contain PBT or vPvB in percentage greater than 0.1 %.

Other Adverse Effects

Water hazard class: Do not let product contaminate ground water, waterways or sewage system.

Section XIII—Disposal Considerations

Disposal methods: If product cannot be reused or recycled, it has to be disposed of according to current local regulations. Must be treated as toxic waste according to local laws and regulations in accordance with local, state, and federal regulations. (See 40 CFR 268)

Contaminated packaging: Dispose of according to official local regulations.

Section XIV—Transport Information

DOT

Proper shipping name Paint

UN number UN 1263

Class 3

Packing group II

Classification for SEA transport (IMO-IMDG):

Proper shipping name Paint

UN number UN 1263

Class 3

Packing group II

Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code

Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO):

Proper shipping name Paint

UN number UN 1263

Class 3

Packing group II

Labelling according 5.2.1.8 ADR/RID: fish and tree

Labelling according 5.2.1.6.3 IMDG: fish and tree

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section XV—Regulatory Information

Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class: 2, hazardous for water (German Regulation)

Local regulations on chemical accidents : Seveso-III Directive (2012/18/EU):

Appendix 1, No. 7b, 9b

Employment restrictions:

Restriction and prohibition of application: Toluene (108-88-3): EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 48

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out for this product.

Further Information: EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

Section XVI—Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe the product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.

Revision

Version: 1.0

Information Source and References

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