Safety Data Sheet
MBT HEATCOTE BROWN

1. Product and Company Identification

Use: Product for construction chemicals

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Hazards Identification

Emergency overview

WARNING:
FLAMMABLE LIQUID AND VAPOR.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.
Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.
Contains a suspect teratogen.
Keep container tightly closed.
Avoid all sources of ignition: heat, sparks, open flame.

State of matter: liquid
Colour: pigmented
Odour: solvent-like

Potential health effects

Primary routes of exposure:
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:
Vapours may cause drowsiness and dizziness.

Irritation / corrosion:
Irritating to eyes. Repeated exposure may cause skin dryness or cracking.

Sensitization:
There is no evidence of a skin-sensitizing potential.

Chronic toxicity:

Repeated dose toxicity: Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.

Potential environmental effects

Aquatic toxicity:
No data available concerning aquatic toxicity.

3. Composition / Information on Ingredients

CAS Number	Content (W/W)	Chemical name
108-88-3	>= 30.0 - <= 60.0 %	Toluene
67-63-0	>= 3.0 - <= 7.0 %	2-Propanol
112945-52-5	>= 1.0 - <= 5.0 %	Silica

4. First-Aid Measures

General advice:
First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:
After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:
Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

5. Fire-Fighting Measures

Flash point:	4 °C	(ASTM D93)
Lower explosion limit:	1.2 %(V)	
Upper explosion limit:	12.7 %(V)	

Suitable extinguishing media:
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Hazards during fire-fighting:
carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:
Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:
For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.
For large amounts: Pump off product.

7. Handling and Storage

Handling

General advice:
Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:
Keep away from heat. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

General advice:
Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

Storage incompatibility:
General advice: Segregate from metals. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

Temperature tolerance
Protect from temperatures below: 0 °C
The packed product must be protected from temperatures below the indicated one.

8. Exposure Controls and Personal Protection

Components with workplace control parameters

2-Propanol	OSHA	PEL 400 ppm 980 mg/m3 ;
	ACGIH	TWA value 200 ppm ; STEL value 400 ppm ;
Toluene	OSHA	TWA value 200 ppm ; CLV 300 ppm ; max. conc. 500 ppm ;
	ACGIH	TWA value 20 ppm ;

Personal protective equipment

Respiratory protection:
When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

Hand protection:
Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:
Tightly fitting safety goggles (chemical goggles).

Body protection:
Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:
Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form:	liquid	
Odour:	solvent-like	
Colour:	pigmented	
pH value:		not applicable
Boiling point:	80 °C	
Density:	approx. 1.0 g/cm3	(20 °C)
Vapour density:		Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):		not applicable

10. Stability and Reactivity

Substances to avoid:
strong acids, strong bases, strong oxidizing agents

Hazardous reactions:
The product is stable if stored and handled as prescribed/indicated.

Decomposition products:
Thermal decomposition products: carbon oxides

Oxidizing properties:
Based on its structural properties the product is not classified as oxidizing.

11. Toxicological information

Irritation / corrosion

Information on: Toluene
Assessment of irritating effects:
Skin contact causes irritation. May cause slight irritation to the eyes.

Information on: 2-Propanol
Assessment of irritating effects:
Not irritating to the skin. Eye contact causes irritation.

Repeated dose toxicity

Information on: Toluene
Assessment of repeated dose toxicity:
The substance may cause damage to the central nervous system after repeated ingestion of high doses. The substance may cause deafness after repeated inhalation.

Development:

Information on: Toluene
Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

Aspiration Hazard:

May also damage the lung at swallowing (aspiration hazard).

Experiences in humans:

According to experience, the product is considered to be harmless to health if used in the correct manner. Has degreasing effect on the skin.

Other Information:

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

Aquatic toxicity

Information on: Toluene
Assessment of aquatic toxicity:
Acutely toxic for aquatic organisms. Depending on local conditions and existing concentrations, disturbances in the nitrification process of activated sludge are possible.

Readily biodegradable (according to OECD criteria).

Other adverse effects:

Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:
Recommendations: Use excess product in an alternate beneficial application. Dispose of in accordance with national, state and local regulations.
Dispose of in accordance with national, state and local regulations.

Container disposal:
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Land transport
USDOT

Hazard class:	3
Packing group:	II
ID number:	UN 1993

Hazard label: 3
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains TOLUENE)

Sea transport
IMDG

Hazard class: 3
Packing group: II
ID number: UN 1993
Hazard label: 3
Marine pollutant: NO
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains TOLUENE)

Air transport
IATA/ICAO

Hazard class: 3
Packing group: II
ID number: UN 1993
Hazard label: 3
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains TOLUENE)

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

OSHA hazard category: Chronic target organ effects reported; OSHA PEL established; ACGIH TLV established; Flammable Liquid

EPCRA 311/312 (Hazard categories): Acute; Chronic; Fire

EPCRA 313:

CAS Number	Chemical name
108-88-3	Toluene
67-63-0	2-Propanol

CERCLA RQ	CAS Number	Chemical name
5000 LBS	62-53-3	Aniline
1000 LBS	108-88-3	Toluene
100 LBS	7440-02-0; 67-63-0	Nickel; 2-Propanol
10 LBS	7439-92-1; 7440-43-9	lead; Cadmium
1 LBS	7439-97-6; 7440-38-2	mercury; arsenic

State regulations

State RTK	CAS Number	Chemical name
MA, NJ, PA	108-88-3	Toluene
MA, NJ, PA	67-63-0	2-Propanol
MA, NJ, PA	112945-52-5	Silica

CA Prop. 65:
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

16. Other Information

HMIS III rating
Health: 3¤ Flammability: 3 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

MSDS Prepared by:
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END OF DATA SHEET