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# Safety Data Sheet

## HB80T Vibrant Red

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### 1. Identification

#### Product identifier used on the label

## HB80T Vibrant Red

#### Recommended use of the chemical and restriction on use

Recommended use\*: Basecoat product

Recommended use\*: Paints, Coatings and Related Materials; for industrial use only

Unsuitable for use: Not intended for sale to or use by the general public.

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF Canada Inc.  
100 Milverton Drive  
Mississauga, ON L5R 4H1, CANADA

Telephone: +1 289 360-1300

#### Emergency telephone number

##### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: (800) 454-COPE (2673)

#### Other means of identification

Chemical family: Coating

### 2. Hazards Identification

#### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

#### Classification of the product

Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization
Flam. Liq.	4	Flammable liquids

#### Label elements

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Pictogram:



Signal Word:  
Warning

Hazard Statement:

H227	Combustible liquid.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P272	Contaminated work clothing should not be allowed out of the workplace.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical attention.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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### Hazards not otherwise classified

No applicable information available.

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## 3. Composition / Information on Ingredients

### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

butan-2-ol

CAS Number: 78-92-2  
Content (W/W):  $\geq 1.0$  -  $< 3.0\%$   
Synonym: sek.-Butanol

2-butoxyethanol

CAS Number: 111-76-2  
Content (W/W):  $\geq 3.0$  -  $< 5.0\%$   
Synonym: Butyl cellosolve

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dodecan-1-ol

CAS Number: 112-53-8

Content (W/W):  $\geq 0.1$  -  $< 0.2\%$

Synonym: Dodecyl alcohol

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

CAS Number: 126-86-3

Content (W/W):  $\geq 1.0$  -  $< 3.0\%$

Synonym: 2,4,7,9-Tetramethyl-5-decyne-4,7-diol

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

Remove contaminated clothing.

##### If inhaled:

Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

##### If on skin:

If irritation develops, seek medical attention. Wash affected areas with water for at least 15 minutes.

##### If in eyes:

Flush with copious amounts of water for at least 15 minutes. Hold eyelids open to facilitate rinsing. If irritation develops, seek medical attention. Seek medical attention.

##### If swallowed:

Immediate medical attention required. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Rinse mouth and then drink 200-300 ml of water.

#### Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

*Information on: butan-2-ol*

*Symptoms: Overexposure may cause: coma, coordination disorder, nausea, headache, dizziness*

*Information on: dodecan-1-ol*

*Symptoms: Overexposure may cause: Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

*Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol*

*Symptoms: Overexposure may cause: corneal injury, severe pain, skin irritation, erythema, nausea, vomiting, dizziness, diarrhea, abdominal cramps*

#### Indication of any immediate medical attention and special treatment needed

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### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

### Extinguishing media

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

Unsuitable extinguishing media for safety reasons:  
water jet

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

Vapors and/or decomposition products are irritant and/or toxic. If product is heated above decomposition temperature acrid smoke and fumes will be released.

### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Notify proper authorities. Do not flood burning material with water due to potential spreading of fire. Flash fire may occur. Run-off water from fire may cause pollution. Contain contaminated water/firefighting water. Remove product from areas of fire, or otherwise cool sealed containers with water in order to avoid pressure build up due to heat. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Extinguish sources of ignition nearby and downwind. Avoid prolonged inhalation. Wear suitable personal protective clothing and equipment. Ensure adequate ventilation.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

Dike spillage. Spills should be contained, solidified, and placed in suitable containers for disposal. Place into appropriately labeled waste containers.

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## 7. Handling and Storage

### Precautions for safe handling

Handle and open container with care. WARNING: Empty containers may still contain hazardous residue. Use static lines when mixing and transferring material. Do not puncture, drop, or slide containers. Store in a well-ventilated place. Keep cool. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

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Protection against fire and explosion:

Risk of explosion if heated under confinement. Use antistatic tools. Exhaust fans should be explosion proof. Avoid all sources of ignition: heat, sparks, open flame. Provide adequate ventilation to remove solvent vapors from lower levels or work areas and to prevent solvent contact with ignition sources. Sealed containers should be protected against heat as this results in pressure build-up.

### Conditions for safe storage, including any incompatibilities

Segregate from strong bases. Segregate from oxidizing agents. Segregate from incompatible substances. Segregate from strong acids.

Suitable materials for containers: Polypropylene (PP), Polyethyleneterephthalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE), Stove-lacquer C222A/C221A, Stove-lacquer NOVOCAN S-G 500, Stove-lacquer EHD0022, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer R 78433, Stove-lacquer RDL 50

Further information on storage conditions: Keep container tightly closed. Store protected against freezing. Protect from direct sunlight.

Storage stability:

Consult local fire marshal for storage requirements.  
Protect from temperatures above: 49 °C

## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

butan-2-ol	OSHA PEL	PEL 150 ppm 450 mg/m <sup>3</sup> ; TWA value 100 ppm 305 mg/m <sup>3</sup> ;
	ACGIH TLV	TWA value 100 ppm ;
2-butoxyethanol	OSHA PEL	PEL 50 ppm 240 mg/m <sup>3</sup> ; Skin Designation ; The substance can be absorbed through the skin. SKIN_FINAL ; The substance can be absorbed through the skin. TWA value 25 ppm 120 mg/m <sup>3</sup> ;
	ACGIH TLV	TWA value 20 ppm ;

### Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

### Personal protective equipment

#### Respiratory protection:

Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Wear a NIOSH-certified (or equivalent) organic vapour respirator. Particulate filters should be added during spray operations. Wear respiratory protection if ventilation is inadequate.

#### Hand protection:

Use appropriate chemically impervious gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

#### Eye protection:

Wear face shield if splashing hazard exists. Tightly fitting safety goggles (chemical goggles).

#### Body protection:

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

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### General safety and hygiene measures:

Work place should be equipped with a shower and an eye wash. Remove contaminated clothing. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Contact lenses should not be worn. Hands and/or face should be washed before breaks and at the end of the shift.

## 9. Physical and Chemical Properties

Form:	liquid	
Odour:	No data available.	
Odour threshold:	No applicable information available.	
Colour:	red	
pH value:	No applicable information available.	
Melting point:	No applicable information available.	
Freezing point:	No applicable information available.	
Boiling range:	No applicable information available.	
Sublimation point:	No applicable information available.	
Flash point:	> 70 °C	
Flammability:	No applicable information available.	
Lower explosion limit:	No applicable information available.	
Upper explosion limit:	No applicable information available.	
Autoignition:	No applicable information available.	
Vapour pressure:	No applicable information available.	
Density:	1.0379 g/cm3	(calculated)
	( 20 °C)	
Relative density:	1.0380	
	( 20 °C)	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Thermal decomposition:	No applicable information available.	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	80.000 mm2/s	
Solubility in water:	No applicable information available.	
Miscibility with water:	miscible	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Molar mass:	No applicable information available.	
Evaporation rate:	No applicable information available.	

## 10. Stability and Reactivity

### Reactivity

No applicable information available.

### Chemical stability

The product is chemically stable.

### Possibility of hazardous reactions

No applicable information available.

### Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

### Incompatible materials

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strong oxidizing agents, strong bases, strong acids

### Hazardous decomposition products

Decomposition products:  
carbon dioxide, carbon monoxide

Thermal decomposition:  
No applicable information available.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Primary routes of entry

Solvents are absorbed through the skin.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. Of moderate toxicity after single ingestion.

#### *Information on: 2-butoxyethanol*

*Assessment of acute toxicity: Of moderate toxicity after single ingestion. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard. The European Union (EU) has classified this substance as 'harmful' after inhalation. Virtually nontoxic after a single skin contact. The European Union (EU) has classified this substance as 'harmful' after dermal exposure.*

#### Oral

No applicable information available.

Type of value: LD50  
Species: guinea pig  
Value: 1,300.000000 mg/kg

#### Inhalation

No applicable information available.

Type of value: LC50  
Species: rat  
Value: >= 25.00000 mg/l

#### Dermal

No applicable information available.

Type of value: LD50  
Species: rat  
Value: > 2,000.000000 mg/kg

#### Assessment other acute effects

No applicable information available.

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### Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

*Information on: butan-2-ol*

*Assessment of irritating effects: Irritating to eyes. Not irritating to the skin.*

*Information on: 2-butoxyethanol*

*Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.*

*Information on: dodecan-1-ol*

*Assessment of irritating effects: Not irritating to the skin. Irritating to eyes.*

*Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol*

*Assessment of irritating effects: Not irritating to the skin. May cause severe damage to the eyes.*

### Sensitization

*Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol*

*Assessment of sensitization:*

*Caused skin sensitization in animal studies.*

### Aspiration Hazard

No applicable information available.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: 2-butoxyethanol*

*Assessment of repeated dose toxicity: Damages blood cells. Due to the species specific mode of action, the effects are not expected to occur in humans.*

### Carcinogenicity

Assessment of carcinogenicity: Contains a suspect carcinogen.

*Information on: 2-butoxyethanol*

*Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC Group 3 (not classifiable as to human carcinogenicity).*

### Teratogenicity

*Information on: butan-2-ol*

*Assessment of teratogenicity: Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.*



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### 12. Ecological Information

No applicable information available.

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### 13. Disposal considerations

**Waste disposal of substance:**

Do not incinerate closed containers. The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste. Do not discharge into drains/surface waters/groundwater.

Must be disposed of or incinerated in accordance with local regulations.

**Container disposal:**

WARNING: Empty containers may still contain hazardous residue.

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### 14. Transport Information

**Land transport**

TDG

Not classified as a dangerous good under transport regulations

**Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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### 15. Regulatory Information

**Federal Regulations**

**Registration status:**

Chemical          DSL, CA          released / listed

**NFPA Hazard codes:**

Health: 2          Fire: 2          Reactivity: 0          Special:

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### 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2021/02/10

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END OF DATA SHEET