



We create chemistry

Safety Data Sheet

UR50 MID TEMP REDUCER

Revision date : 2021/06/25
Version: 10.0

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(30091266/SDS_GEN_CA/EN)

1. Identification

Product identifier used on the label

UR50 MID TEMP REDUCER

Recommended use of the chemical and restriction on use

Recommended use*: Thinner

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

Synonyms:

PAINT RELATED MATERIAL

2. Hazards Identification

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

Classification of the product

STOT SE

3 (Vapours may cause drowsiness and dizziness.)

Specific target organ toxicity — single exposure

Flam. Liq.

3

Flammable liquids

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Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic
Skin Corr./Irrit.	2	Skin corrosion/irritation
Repr.	2 (fertility)	Reproductive toxicity
Repr.	2 (unborn child)	Reproductive toxicity
STOT RE	1	Specific target organ toxicity — repeated exposure
Asp. Tox.	1	Aspiration hazard

Label elements

Pictogram:



Signal Word:

Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs (Peripheral nervous system) through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
H372	Causes damage to organs (central nervous system) through prolonged or repeated exposure.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P270	Do not eat, drink or smoke when using this product.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

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P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or physician.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.

Precautionary Statements (Storage):

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.

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.

3. Composition / Information on Ingredients

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

ethylbenzene

CAS Number: 100-41-4
Content (W/W): ≥ 0.1 - $< 0.2\%$
Synonym: Ethylbenzene

1-methoxy-2-propylacetate

CAS Number: 108-65-6
Content (W/W): ≥ 10.0 - $< 15.0\%$
Synonym: 2-Methoxy-1-methylethyl acetate; 1-Methoxy-2-propyl acetate

2-butoxyethyl acetate

CAS Number: 112-07-2
Content (W/W): ≥ 3.0 - $< 5.0\%$
Synonym: Butyl cellosolve acetate

n-Butyl acetate

CAS Number: 123-86-4
Content (W/W): ≥ 50.0 - $< 75.0\%$
Synonym: n-Butyl acetate

Solvent naphtha (petroleum), light arom.

CAS Number: 64742-95-6
Content (W/W): ≥ 7.0 - $< 10.0\%$
Synonym: No data available.

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Naphtha (petroleum), hydrodesulfurized heavy, Flpoint < 55°C

CAS Number: 64742-82-1

Content (W/W): >= 10.0 - < 15.0%

Synonym: No data available.

solvent naphtha, light aliph., Low boiling P., <0,1% benzene

CAS Number: 64742-89-8

Content (W/W): >= 3.0 - < 5.0%

Synonym: No data available.

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:

Immediately wash thoroughly with soap and water, seek medical attention.

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: 2-butoxyethyl acetate

Symptoms: Overexposure may cause:, vomiting, polyuria, renal failure, nausea, headache

Information on: Solvent naphtha (petroleum), light arom.

Symptoms: Overexposure may cause:, Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, Ingestion may provoke the following symptoms:, asphyxia, dyspnea, choking, respiratory arrest, circulatory collapse, death

Information on: Naphtha (petroleum), hydrodesulfurized heavy, Flpoint < 55°C

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

Information on: solvent naphtha, light aliph., Low boiling P., <0,1% benzene

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

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Indication of any immediate medical attention and special treatment needed

Note to physician

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

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Use antistatic tools. 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.

7. Handling and Storage

Precautions for safe handling

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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. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

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: Carbon steel (Iron), Stainless steel 1.4301 (V2), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container tightly closed. 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

ethylbenzene	ACGIH, US:	TWA value 20 ppm ;
	OSHA Z1:	PEL 100 ppm 435 mg/m3 ;
	OSHA Z1A:	STEL value 125 ppm 545 mg/m3 ;
	OSHA Z1A:	TWA value 100 ppm 435 mg/m3 ;
2-butoxyethyl acetate	ACGIH, US:	TWA value 20 ppm ;
n-Butyl acetate	ACGIH, US:	STEL value 150 ppm ;
	ACGIH, US:	TWA value 50 ppm ;
	OSHA Z1:	PEL 150 ppm 710 mg/m3 ;
	OSHA Z1A:	STEL value 200 ppm 950 mg/m3 ;
	OSHA Z1A:	TWA value 150 ppm 710 mg/m3 ;
Naphtha (petroleum), hydrodesulfurized heavy, Flpoint < 55°C	ACGIH, US:	TWA value 100 ppm ;
	OSHA Z1:	PEL 500 ppm 2,900 mg/m3 ;
	OSHA Z1A:	TWA value 100 ppm 525 mg/m3 ;
solvent naphtha, light aliph., Low boiling P., <0,1% benzene	OSHA Z1:	PEL 100 ppm 400 mg/m3 ;
	OSHA Z1A:	TWA value 100 ppm 400 mg/m3 ;

Advice on system design:

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

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Personal protective equipment

Respiratory protection:

Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Respiratory protection may not be required under normal operating conditions if adequate ventilation is provided. 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.

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:	ester-like	
Odour threshold:	No applicable information available.	
Colour:	clear	
pH value:	No applicable information available.	
Melting point:	No applicable information available.	
Freezing point:	No applicable information available.	
Boiling range:	118.00 - 186.00 °C	
Sublimation point:	No applicable information available.	
Flash point:	25 °C	
Flammability:	No applicable information available.	
Lower explosion limit:	0.50 %(V) 0.5 %(V)	
Upper explosion limit:	8.54 %(V)	
Autoignition:	No applicable information available.	
Vapour pressure:	No applicable information available.	
Density:	0.8736 g/cm3 (20 °C)	(calculated)
Relative density:	0.8736 (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:	5.100 mm2/s	
Solubility in water:	No applicable information available.	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Molar mass:	No applicable information available.	
Evaporation rate:	No applicable information available.	

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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

strong oxidizing agents, strong bases, strong acids

Hazardous decomposition products

Decomposition products:
carbon dioxide, carbon monoxide

Thermal decomposition:
No applicable information available.

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. Of moderate toxicity after short-term skin contact. Of moderate toxicity after single ingestion.

Information on: ethylbenzene

Assessment of acute toxicity: Of moderate toxicity after short-term inhalation. Virtually nontoxic after a single skin contact. Of low toxicity after single ingestion.

Information on: 2-butoxyethyl acetate

Assessment of acute toxicity: Of moderate toxicity after single ingestion. Of moderate toxicity after short-term skin contact. 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.

Information on: Solvent naphtha (petroleum), light arom.

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. No deaths at the highest dose tested after short-term inhalation. The product has not been tested. The statement has been derived

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from substances/products of a similar structure or composition. Of low toxicity after short-term skin contact.

Oral

Type of value: LD50

Species: rat

Value: 1,880.000000 mg/kg

Inhalation

Type of value: LC50

Species: rat

Value: > 21.100000 mg/l

Dermal

Type of value: LD50

Species: rabbit

Value: 1,500.000000 mg/kg

Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion

Assessment of irritating effects: Skin contact causes irritation.

Information on: ethylbenzene

Assessment of irritating effects: May cause slight irritation to the skin. May cause slight irritation to the eyes.

Information on: n-Butyl acetate

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

Not irritating to the skin. May cause slight irritation to the eyes.

Information on: Solvent naphtha (petroleum), light arom.

Assessment of irritating effects: May cause slight irritation to the skin. May cause slight irritation to the eyes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Naphtha (petroleum), hydrosulfurized heavy, Flpoint < 55°C

Assessment of irritating effects: Not irritating to the eyes. Skin contact causes irritation.

Information on: solvent naphtha, light aliph., Low boiling P., <0,1% benzene

Assessment of irritating effects: Skin contact causes irritation. Not irritating to the eyes.

Aspiration Hazard

Aspiration into the respiratory system may cause lung injury.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated exposure to small quantities may affect certain organs.

Information on: ethylbenzene

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Assessment of repeated dose toxicity: The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause deafness after repeated inhalation. The substance may cause deafness after repeated ingestion.

Information on: 1-methoxy-2-propylacetate

Assessment of repeated dose toxicity: Repeated dermal uptake of the substance did not cause substance-related effects. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The substance may cause damage to the olfactory epithelium after repeated inhalation. Repeated oral uptake of the substance did not cause substance-related effects.

Information on: 2-butoxyethyl acetate

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.

Information on: n-Butyl acetate

Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation.

Information on: Solvent naphtha (petroleum), light arom.

Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation. The substance may cause damage to the liver after repeated ingestion.

Effects on the kidney of male rats were detected after repeated exposure. These effects are specific for the male rat and are known to be of no relevance to humans. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Naphtha (petroleum), hydrodesulfurized heavy, Flpoint < 55°C

Assessment of repeated dose toxicity: Effects on the kidney of male rats were detected after repeated exposure. These effects are specific for the male rat and are known to be of no relevance to humans. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

EU-classification Repeated exposure to small quantities may affect certain organs. Damages the central nerve system.

Information on: solvent naphtha, light aliph., Low boiling P., <0,1% benzene

Assessment of repeated dose toxicity: Repeated exposure to large quantities may affect certain organs. Damages the kidneys. Due to the species specific mode of action, the effects are not expected to occur in humans. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Genetic toxicity

Information on: Naphtha (petroleum), hydrodesulfurized heavy, Flpoint < 55°C

Assessment of mutagenicity: Capable of causing genetic defects. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Carcinogenicity

Assessment of carcinogenicity: Contains a suspect carcinogen.

Information on: ethylbenzene

Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

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Information on: Naphtha (petroleum), hydrodesulfurized heavy, Flpoint < 55°C

Assessment of carcinogenicity: The substance caused cancer in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity

Information on: Naphtha (petroleum), hydrodesulfurized heavy, Flpoint < 55°C

Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

12. Ecological Information

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. No data available for the preparation.

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:

Do not reuse containers without commercial reconditioning. WARNING: Empty containers may still contain hazardous residue.

14. Transport Information

Land transport

TDG

Hazard class:	3
Packing group:	III
ID number:	UN 1263
Hazard label:	3
Proper shipping name:	PAINT RELATED MATERIAL

Sea transport

IMDG

Hazard class:	3
Packing group:	III
ID number:	UN 1263
Hazard label:	3
Marine pollutant:	NO

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Proper shipping name: PAINT RELATED MATERIAL

Air transport

IATA/ICAO

Hazard class: 3
Packing group: III
ID number: UN 1263
Hazard label: 3
Proper shipping name: PAINT RELATED MATERIAL

15. Regulatory Information

Federal Regulations

Registration status:

Chemical DSL, CA released / listed

NFPA Hazard codes:

Health: 2 Fire: 3 Reactivity: 0 Special:

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2021/06/25

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.

END OF DATA SHEET