

Safety Data Sheet

UR60 HIGH TEMP REDUCER

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Version: 4.3

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(30091269/SDS_GEN_CA/EN)

1. Identification

Product identifier used on the label

UR60 HIGH TEMP REDUCER

Recommended use of the chemical and restriction on use

Recommended use*: for industrial use only

* 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

CANUTEC (reverse charges): (613) 996-6666
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
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic
Flam. Liq.	3	Flammable liquids
Skin Corr./Irrit.	2	Skin corrosion/irritation
Repr.	1 (unborn child)	Reproductive toxicity

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Repr.	2 (fertility)	Reproductive toxicity
STOT RE	2	Specific target organ toxicity — repeated exposure
Asp. Tox.	1	Aspiration hazard

Label elements

Pictogram:



Signal Word:
Danger

Hazard Statement:

H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs (Peripheral nervous system) through prolonged or repeated exposure.
H336	May cause drowsiness or dizziness.
H360	May damage the unborn child. Suspected of damaging fertility.

Precautionary Statements (Prevention):

P280	Wear protective gloves/protective clothing/eye protection/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.
P273	Avoid release to the environment.
P264	Wash with plenty of water and soap thoroughly after handling.
P281	Use personal protective equipment as required.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical/ventilating/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.
P260	Do not breathe dust or mist.
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 doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P321	Specific treatment (see on this label).
P332 + P313	If skin irritation occurs: Get medical advice/attention.
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.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.

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/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)

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
123-86-4	>= 25.0 - < 50.0%	n-Butyl acetate
112-07-2	>= 3.0 - < 5.0%	2-butoxyethyl acetate
64742-95-6	>= 5.0 - < 7.0%	Solvent naphtha (petroleum), light arom.
70657-70-4	>= 0.1 - < 0.2%	2-methoxypropyl acetate
64742-89-8	>= 5.0 - < 7.0%	solvent naphtha, light aliph., Low boiling P., <0,1% benzene
108-65-6	>= 25.0 - < 50.0%	1-methoxy-2-propylacetate

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.

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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.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Remove product from areas of fire, or otherwise cool sealed containers with water in order to avoid pressure build up due to heat.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Use antistatic tools. 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. Place into appropriately labeled waste containers.

7. Handling and Storage

Precautions for safe handling

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Handle and open container with care. 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:

Use antistatic tools. Exhaust fans should be explosion proof. Avoid all sources of ignition: heat, sparks, open flame. Sealed containers should be protected against heat as this results in pressure build-up.

Conditions for safe storage, including any incompatibilities

Segregate from oxidizing agents. Segregate from incompatible substances.

Suitable materials for containers: Carbon steel (Iron), Stainless steel 1.4301 (V2), tinned carbon steel (Tinplate)

Further information on storage conditions: Protect from direct sunlight.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

2-butoxyethyl acetate

ACGIH TLV TWA value 20 ppm ;

n-Butyl acetate

OSHA PEL PEL 150 ppm 710 mg/m³ ; STEL value 200
ppm 950 mg/m³ ; TWA value 150 ppm 710
mg/m³ ;
ACGIH TLV STEL value 150 ppm ; TWA value 50 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.

Hand protection:

Chemical resistant protective gloves

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

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Odour threshold:	No applicable information available.	
Colour:	water white, clear	
pH value:	No applicable information available.	
Melting point:	No applicable information available.	
Boiling range:	118.00 - 186.00 °C	
Sublimation point:	No applicable information available.	
Flash point:	27 °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:	0.9017 g/cm3 (20 °C)	(calculated)
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:	< 20.500 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.	

10. Stability and Reactivity

Reactivity

No applicable information available.

Chemical stability

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

Hazardous decomposition products

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.

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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: 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 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

Information on: 2-butoxyethyl acetate

Assessment of irritating effects: Not irritating to the skin. Not irritating 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: solvent naphtha, light aliph., Low boiling P., <0,1% benzene

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

Information on: 1-methoxy-2-propylacetate

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

Aspiration Hazard

Aspiration into the respiratory system may cause lung injury.

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Chronic Toxicity/Effects

Repeated dose toxicity

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

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: 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.

Carcinogenicity

Assessment of carcinogenicity: Contains a suspect carcinogen.

Teratogenicity

Information on: 2-butoxyethyl acetate

Assessment of teratogenicity: In animal studies the substance did not cause malformations. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

12. Ecological Information

Additional information

Other ecotoxicological advice:
Acutely toxic for aquatic organisms.

13. Disposal considerations

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater.
Must be disposed of or incinerated in accordance with local regulations.

14. Transport Information

Land transport
TDG

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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
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: 2018/12/04

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