

Safety data sheet

UR50 MID TEMP REDUCER

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Version: 10.0

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(30091266/CDU_GEN_US/EN)

1. Substance/preparation and company identification

Company

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard;
29 CFR Part 1910.1200

Classification of the product

Specific target organ toxicity - single exposure	3	Vapours may cause drowsiness and dizziness.
Hazardous to the aquatic environment - acute	3	
Hazardous to the aquatic environment - chronic	3	
Flammable liquids	3	

Label elements

Pictogram:

Flame

Exclamation mark

Signal Word:

Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P240	Ground/bond container and receiving equipment.

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P233	Keep container tightly closed.
P243	Take precautionary measures against static discharge.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements (Response):

P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370 + P378	In case of fire: Use water spray for extinction.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statements (Storage):

P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

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.

According to Regulation 1994 OSHA Hazard Communication Standard;
29 CFR Part 1910.1200

Emergency overview

FLAMMABLE LIQUID

INGESTION MAY CAUSE GASTRIC DISTURBANCES

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard;
29 CFR Part 1910.1200

CAS Number	Weight %	Chemical name
112-07-2	3.0 - 5.0 %	butylglycol acetate
123-86-4	50.0 - 75.0 %	n-butylacetate

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64742-95-6 5.0 - 7.0 % solvent naphtha (petroleum),
light arom., <0.1% benzen

According to Regulation 1994 OSHA Hazard Communication Standard;
29 CFR Part 1910.1200

CAS Number	Weight %	Chemical name
123-86-4	50.0 - 75.0 %	n-butylacetate
64742-89-8	15.0 - 20.0 %	solvent naphtha, light aliph., Low boiling P., <0,1% benzene
108-65-6	10.0 - 15.0 %	1-methoxy-2-propyl acetate
112-07-2	3.0 - 5.0 %	butylglycol acetate

4. First-Aid Measures

Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety.
If the patient is likely to become unconscious, place and
transport in stable sideways position (recovery position).
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 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:

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

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Extinguishing media

Suitable extinguishing media:

Dry extinguishing media

Carbon dioxide

Foam

Unsuitable extinguishing media for safety reasons:

water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

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

Wear suitable personal protective clothing and equipment.

Ensure adequate ventilation.

Avoid contact with skin and eyes.

Use antistatic tools.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities.

Methods and material for containment and cleaning up

Dike spillage.

Place into appropriately labeled waste containers.

7. Handling and Storage

Precautions for safe handling

Ensure adequate ventilation.

Do not puncture, drop or slide containers.

Use static lines when mixing and transferring material.

Handle and open container with care.

Avoid contact with the skin, eyes and clothing.

Protection against fire and explosion:

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

Conditions for safe storage, including any incompatibilities
Segregate from incompatible substances.
Segregate from oxidizing agents.

Further information on storage conditions:
Protect from direct sunlight.

Storage stability:

8. Exposure Controls and Personal Protection

Components with occupational exposure limits
butylglycol acetate
ACGIH TWA 20 ppm
n-butylacetate
ACGIH STEL 200 ppm; TWA 150 ppm
OSHA PEL 150 ppm 710 mg/m3

Advice on system design:

Personal protective equipment

Respiratory protection:
Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination.
Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:
Use appropriate chemically resistant 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:
Tightly fitting safety goggles (chemical goggles).
Wear face shield if splashing hazard exists.

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

General safety and hygiene measures:
Work place should be equipped with a shower and eye wash.
Contact lenses should not be worn.
Remove contaminated clothing.
Contaminated equipment or clothing should be cleaned after each use or disposed of.
Hands and/or face should be washed before breaks and at the end of the shift.

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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 temperature:	No applicable information available.
Boiling range:	244 - 367 Â°F / 118.0 - 186.1 Â°C
Sublimation temperature:	No applicable information available.
Flash point:	77 Â°F (25.0 Â°C) +/- 3 Â°F Setaflash Closed Cup (measured)
Flammability:	No applicable information available.
Lower explosion limit:	0.5 %(V)
Upper explosion limit:	10.8 %(V)
Autoignition:	No applicable information available.
Vapour pressure:	n.d.a.
Density:	7.24 Lb/USg CALC
Relative density:	0.87
Vapour density:	heavier than air
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:	> 20.60 mm ² /s
Solubility in water:	No applicable information available.
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Evaporation rate:	No applicable information available.

10. Stability and Reactivity

Reactivity

Reactivity:
No applicable information available.

Chemical stability

Chemical stability:

Possibility of hazardous reactions

Hazardous reactions:
No applicable information available.

Conditions to avoid

Conditions to avoid:
Avoid all sources of ignition: heat, sparks or open flames.
Avoid electrostatic discharge.

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Incompatible materials

Substances to avoid:
strong oxidizing agents

Hazardous decomposition products

Decomposition products:

Thermal decomposition:
No applicable information available.

11. Toxicological Information

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/Effects

Acute toxicity

Assessment of acute toxicity:

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

Information on: butylglycol acetate

Assessment of acute toxicity:

Of moderate toxicity after short-term skin contact.

Of moderate toxicity after single ingestion.

Information on: solvent naphtha (petroleum), light arom., <0.1% benzen

Assessment of acute toxicity:

Of pronounced toxicity after short-term skin contact.

Oral

Acute oral toxicity:

No applicable information available.

Inhalation

Acute inhalation toxicity:

No applicable information available.

Dermal

Acute dermal toxicity:

No applicable information available.

Assessment other acute effects

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Assessment of STOT single:
Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion

Assessment of irritating effects:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: butylglycol acetate
Assessment of irritating effects:
May cause slight irritation to the skin.

Information on: solvent naphtha (petroleum), light arom., <0.1% benzen
Assessment of irritating effects:
Skin contact causes irritation.

Sensitization

Assessment of sensitization:
No applicable information available.

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: butylglycol acetate
Assessment of repeated dose toxicity:
May cause blood effects.

Genetic toxicity

Assessment of mutagenicity:
No applicable information available.
Carcinogenicity

Assessment of carcinogenicity:
No applicable information available.

Reproductive toxicity

Assessment of reproduction toxicity:
No applicable information available.

Development

Assessment of teratogenicity:

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

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

No applicable information available.

13. Disposal Considerations

Waste disposal of substance

Dispose of in accordance with national, state and local regulations.

Do not discharge into drains/surface waters/groundwater.

Container disposal

Dispose of in accordance with national, state and local regulations.

14. Transport Information

Reference Bill of Lading

Land transport

USDOT

Sea transport

IMDG

Air transport

IATA/ICAO

15. Regulatory Information

Federal Regulations

Registration status

TSCA, US released / listed

EPCRA 313

CAS number

112-07-2

Weight %

3.0

Chemical name

butylglycol acetate

State regulations

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State RTK

CAS Number

123-86-4

112-07-2

Chemical name

n-butylacetate

butylglycol acetate

CA Prop. 65

WARNING: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

HMIS III rating

Health: 2

Flammability: 3

Physical hazard: 0

16. Other information

Full disclosure

Chemical name

CAS Number

Content (weight %)

1-methoxy-2-propyl acetate

108-65-6

5 - 15

butylglycol acetate

112-07-2

1 - 10

n-butylacetate

123-86-4

55 - 65

solvent naphtha (petroleum), light arom., <0.1% benzen

64742-95-6

1 - 10

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

64742-89-8

10 - 20

SDS prepared by: BASF NA Product Regulations

SDS prepared on 20.11.2015

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