

1 Identification

Product identifier

Trade name: MTDA/CBA/RDA (CT-2990)

SDS ID Number: 1421

Relevant identified uses of the substance or mixture, and uses advised against

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA

GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

Information department:

Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)
Email address: msds.gcp@gcpat.com

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

2 Hazard(s) identification

Classification of the substance or mixture

Causes serious eye irritation.

May cause damage to organs through prolonged or repeated exposure. Route of exposure: Oral.

Label elements:

Hazard pictograms



GHS07 GHS08

Warning

Hazard statements

Causes serious eye irritation.

May cause damage to organs through prolonged or repeated exposure. Route of exposure: Oral.

Precautionary statements

Wear eye protection / face protection.

Wash thoroughly after handling.

Do not breathe dust/fume/gas/mist/vapors/spray.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Safety Data Sheet

Printing date 05/16/2017

Version Number 1.1

Reviewed on 05/16/2017

Trade name: *MTDA/CBA/RDA (CT-2990)*

(Cont. from page 1)

NFPA ratings (scale 0 - 4)



Health = 2
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = 2
Flammability = 1
Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

* 3 Composition/information on ingredients

Chemical characterization: Mixture

Description: Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.

Hazardous components:

| | | |
|----------|---------------------|----------|
| 122-20-3 | Triisopropanolamine | 10-20% |
| 111-46-6 | Diethylene glycol | 5-10% |
| 107-21-1 | Ethylene glycol | 1.0-3.0% |

Additional information: For the wording of the listed hazard phrases refer to section 16.

* 4 First-aid measures

Description of first aid measures

General information: Get medical advice/attention if you feel unwell.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing:

Rinse mouth.

Do not induce vomiting; immediately call for medical help.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Special hazards arising from the substance or mixture No further relevant information available.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

Trade name: *MTDA/CBA/RDA (CT-2990)*

(Cont. from page 2)

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Sweep up spilled product into receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling

Open and handle receptacle with care.

Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

111-46-6 Diethylene glycol

WEEL (USA) Long-term value: 10 mg/m³

107-21-1 Ethylene glycol

TLV (USA) Short-term value: NIC-127* NIC-10** mg/m³, NIC-50* ppm

Long-term value: NIC-63.5* mg/m³, NIC-25* ppm

Ceiling limit value: (100) mg/m³

(H); *inh. fraction + vapor, P:**inh. fraction, H

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures: Avoid contact with the eyes and skin.

(Cont. on page 4)

Safety Data Sheet

Printing date 05/16/2017

Version Number 1.1

Reviewed on 05/16/2017

Trade name: *MTDA/CBA/RDA (CT-2990)*

(Cont. from page 3)

Breathing equipment:

Respiratory protection is not normally required. However, a chemical cartridge respirator with organic vapor cartridge and a prefilter for dusts/mists is required at or above the applicable exposure limits (consult exposure guidelines). If no limits exist, use an approved respirator whenever a vapor or mist is generated or if respiratory irritation occurs. Supplied air respirator (SCBA) is required at exposure levels above the capabilities of a chemical cartridge respirator.

Protection of hands:

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product. Rubber or other impervious gloves should be worn to prevent skin contact.

Material of gloves Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Eye protection:

Safety glasses with side shield protection.

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.



A face shield should also be worn if there is potential exposure to splash or spray.

Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information**Appearance:**

| | |
|------------------------|------------------------------------|
| Form: | Liquid |
| Color: | According to product specification |
| Odor: | Characteristic |
| Odor threshold: | Not determined. |

pH-value (~): 9

Change in condition

| | |
|-------------------------------------|-----------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | Undetermined. |
| Flash point: | Not applicable. |

Flammability (solid, gaseous): Not applicable.

| | |
|-----------------------------------|---|
| Decomposition temperature: | Not determined. |
| Auto igniting: | Product is not self-igniting. |
| Danger of explosion: | Product does not present an explosion hazard. |

Explosion limits:

| | |
|---------------------------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |
| VOC Content (max): | Not determined. |

| | |
|---|-----------------|
| Vapor pressure at 20 °C (68 °F): | 0.1 hPa |
| Density: (~) | Not determined. |
| Relative density | Not determined. |
| Vapor density | Not determined. |
| Evaporation rate | Not determined. |

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

(Cont. on page 5)

USGHS

Safety Data Sheet

Printing date 05/16/2017

Version Number 1.1

Reviewed on 05/16/2017

Trade name: *MTDA/CBA/RDA (CT-2990)*

(Cont. from page 4)

Partition coefficient (n-octanol/water): Not determined.**Viscosity:****Dynamic:** Not determined.**Kinematic:** Not determined.**Molecular weight** Not applicable.**Other information** No further relevant information available.**10 Stability and reactivity****Reactivity** Stable under normal conditions.**Chemical stability****Thermal decomposition:** No decomposition if used according to specifications.**Possibility of hazardous reactions** No dangerous reactions known.**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** Carbon monoxide and carbon dioxide**Additional information:** See section 7 for information on handling, storage and conditions to be avoided.**11 Toxicological information****Delayed and immediate effects and chronic effects from short or long term exposure**

May cause damage to organs through prolonged or repeated exposure.

Information on toxicological effects**Acute toxicity:****LD/LC50 values relevant for classification:****111-46-6 Diethylene glycol**

Oral LD50 1120 mg/kg (human)

67-56-1 Methanol

Oral LD50 5628 mg/kg (rat)

Dermal LD50 15800 mg/kg (rabbit)

Primary irritant effect:**on the skin:** No irritating effect expected**on the eye:** Causes serious eye irritation.**inhalation:** No irritating effect expected**Ingestion:** May cause damage to organs through prolonged or repeated exposure. Route of exposure: Oral.**Additional toxicological information:**

Glycols contained in this product have been associated with the following effects: birth defects and liver and kidney damage. Excessive exposure can cause headache, weakness, confusion, dizziness, staggering, slurred speech, loss of coordination, faintness, vomiting, increased heart rate, decreased blood pressure, difficulty breathing and seeing, pulmonary edema, unconsciousness, convulsions, collapse and coma.

Carcinogenic categories

IARC (International Agency for Research on Cancer) Human Carcinogenicity:
Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

None of the ingredients is listed.

(Cont. on page 6)

USGHS

Safety Data Sheet

Printing date 05/16/2017

Version Number 1.1

Reviewed on 05/16/2017

Trade name: *MTDA/CBA/RDA (CT-2990)*

(Cont. from page 5)

NTP (National Toxicology Program)**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information**Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:** Not known to be hazardous to water.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Disposal methods:**

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

14 Transport information**UN-Number**

DOT, IMDG, IATA

Not applicable.

UN proper shipping name

DOT, IMDG, IATA

Not applicable.

Transport hazard class(es)

DOT, IMDG, IATA

Class

Not applicable.

Packing group

DOT, IMDG, IATA

Not applicable.

(Cont. on page 7)

USGHS

Safety Data Sheet

Printing date 05/16/2017

Version Number 1.1

Reviewed on 05/16/2017

Trade name: *MTDA/CBA/RDA (CT-2990)*

(Cont. from page 6)

Environmental hazards:

Marine pollutant: No

Special precautions for user Not applicable.

Transport/Additional information: Not classified as a dangerous good for transport by road, rail or air.

DOT

Remarks: Not Regulated.

UN "Model Regulation": Not applicable.

15 Regulatory information**SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

107-21-1 Ethylene glycol 1.2%

SARA Section 312/Tier I & II Hazard Categories:

Health Hazard - Serious eye damage or eye irritation

Health Hazard - Specific target organ toxicity (single or repeated exposure)

North America Chemical Inventory Status**TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

Right to Know Ingredient Disclosure:

57-50-1 Sucrose

56-81-5 Glycerol

112-27-6 Triethylene glycol

7647-14-5 Sodium chloride

16687-00-6 Chlorides (as salts)

112-60-7 Tetraethylene glycol

7732-18-5 Water

California Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

107-21-1 Ethylene glycol

67-56-1 Methanol

Carcinogenicity Categories**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)

Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable

Sucrose

A4

(Cont. on page 8)

USGHS

Safety Data Sheet

Printing date 05/16/2017

Version Number 1.1

Reviewed on 05/16/2017

Trade name: *MTDA/CBA/RDA (CT-2990)*

(Cont. from page 7)

Ethylene glycol

A4

NIOSH-Cancer (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

Volatile Organic Compounds (VOC) reported per the Emission Standards.

If no g/L value is provided this product is not subject to above standard.

16 Other information

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

Department issuing SDS:

GCP Applied Technologies

62 Whittemore Avenue

Cambridge, MA 02140 USA

USA: +1-617-876-1400 (24 hours)

+1-800-354-5414

Date of preparation / last revision 05/16/2017 / 1.0**The first date of preparation** 05/28/2014**Number of revision times and the latest revision date** 1.1 / 05/16/2017

USGHS