according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5245740-00008 Date of first issue: 11/04/2019

SECTION 1. IDENTIFICATION

Product name : REPLAST EASY 1.5 MIN, Component A

Product code : 893.50003A

Other means of identification : No data available

Manufacturer or supplier's details

Company name of supplier : Würth Canada Limited

Address : 345 Hanlon Creek Blvd

GUELPH, ON N1C 0A1

Telephone : +1 (905) 564 6225

Telefax : +1 (905) 564 3671

Emergency telephone : Emergencies involving a spill, fire, explosion or exposure:

CHEMTREC (24/7): 1-800-424-9300

Transport related emergencies:

CANUTEC (24/7): 1-613-996-6666 or * 666 (cell)

Urgences impliquant un déversement, incendie, explosion ou

exposition:

CHEMTREC (24/7): 1-800-424-9300

Urgences liées au transport:

CANUTEC (24/7): 1-613-996-6666 ou * 666 (cellulaire)

E-mail address : prodsafe@wurth.ca

Recommended use of the chemical and restrictions on use

Recommended use : Adhesives

Restrictions on use : Not applicable

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Skin irritation : Category 2

Serious eye damage : Category 1

Skin sensitization : Sub-category 1A

Carcinogenicity : Category 2

Reproductive toxicity : Category 1B

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Specific target organ toxicity

- repeated exposure

Category 1 (Lungs, Adrenal gland, Liver, Heart)

GHS label elements

Hazard pictograms







Signal Word : Danger

Hazard Statements : H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H351 Suspected of causing cancer. H360D May damage the unborn child.

H372 Causes damage to organs (Lungs, Adrenal gland, Liver,

Heart) through prolonged or repeated exposure.

Precautionary Statements

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe vapors.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves, protective clothing, eye protection and face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.

P308 + P313 IF exposed or concerned: 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.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Talc	Talc (Mg3H2(SiO3)4)	14807-96-6	>= 10 - < 30 *
Ethylenediamine, propoxylated	1,2- Ethanediamine, polymer with 2- methyloxirane	25214-63-5	>= 1 - < 5 *
3,3-Dimethylbutan-2- yl)({6-[(3,3- dimethylbutan-2- yl)amino]hexyl}amine)	1,6- Hexanediamine, N1,N6-bis(1,2,2- trimethylpropyl)-		>= 1 - < 5 *
3-Aminomethyl-3,5,5- trimethylcyclohexyla- mine	Cyclohex- anemethana- mine, 5-amino- 1,3,3-trimethyl-	2855-13-2	>= 1 - < 5 *
(Di-butylamino) diphenylmethane	Benzenamine, 4,4'- methylenebis[N- (1- methylpropyl)-	5285-60-9	>= 1 - < 5 *
Silicon dioxide	Silica	7631-86-9	>= 1 - < 5 *
Tributyl phosphate	Phosphoric acid tributyl ester	126-73-8	>= 0.1 - < 1 *
Quartz	Crystallized silicon dioxide	14808-60-7	>= 0.1 - < 1 *

* Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical ad-

vice immediately.

When symptoms persist or in all cases of doubt seek medical

advice.

If inhaled : If inhaled, remove to fresh air.

Get medical attention.

In case of skin contact : In case of contact, immediately flush skin with plenty of water

for at least 15 minutes while removing contaminated clothing

and shoes.

Get medical attention.
Wash clothing before reuse.

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Thoroughly clean shoes before reuse.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water

for at least 15 minutes.

If easy to do, remove contact lens, if worn.

Get medical attention immediately.

If swallowed, DO NOT induce vomiting.

Get medical attention.

Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and

delayed

Causes skin irritation.

May cause an allergic skin reaction. Causes serious eye damage.

Suspected of causing cancer. May damage the unborn child.

Causes damage to organs through prolonged or repeated

exposure.

Protection of first-aiders : First Aid responders should pay attention to self-protection,

and use the recommended personal protective equipment when the potential for exposure exists (see section 8).

Notes to physician : Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray

Alcohol-resistant foam Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

None known.

Specific hazards during fire

fighting

Exposure to combustion products may be a hazard to health.

Hazardous combustion prod-

ucts

Carbon oxides

Nitrogen oxides (NOx)

Specific extinguishing meth-

ods

Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment. Use water spray to cool unopened containers.

Remove undamaged containers from fire area if it is safe to do

SO.

Evacuate area.

Special protective equipment:

for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Follow safe handling advice (see section 7) and personal pro-

tective equipment recommendations (see section 8).

Environmental precautions

Avoid release to the environment.

Prevent further leakage or spillage if safe to do so.

Prevent spreading over a wide area (e.g., by containment or

oil barriers).

Retain and dispose of contaminated wash water.

Local authorities should be advised if significant spillages

cannot be contained.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material.

For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor-

bent.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine

which regulations are applicable.

Sections 13 and 15 of this SDS provide information regarding

certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures : See Engineering measures under EXPOSURE

CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : If sufficient ventilation is unavailable, use with local exhaust

ventilation.

Advice on safe handling : Do not get on skin or clothing.

Do not breathe vapors.

Do not swallow. Do not get in eyes.

Wash skin thoroughly after handling.

Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as-

sessment

Keep container tightly closed.

Do not eat, drink or smoke when using this product.

Take care to prevent spills, waste and minimize release to the

environment.

Conditions for safe storage : Keep in properly labeled containers.

Store locked up. Keep tightly closed.

Store in accordance with the particular national regulations.

Materials to avoid : Do not store with the following product types:

Strong oxidizing agents

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 01/10/2023

 5.0
 12/15/2023
 5245740-00008
 Date of first issue: 11/04/2019

Self-reactive substances and mixtures

Organic peroxides

Explosives Gases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Talc	14807-96-6	TWAEV (respirable dust)	2 mg/m³	CA QC OEL
		TWA (Res- pirable par- ticulates)	2 mg/m³	CA AB OEL
		TWA (Res- pirable)	2 mg/m³	CA BC OEL
		TWA	2 fibres per cubic centimeter	CA ON OEL
		TWA (Respirable fraction)	2 mg/m³	CA ON OEL
		TWA (Respi- rable particu- late matter)	2 mg/m³	ACGIH
Silicon dioxide	7631-86-9	TWAEV (respirable dust)	6 mg/m³	CA QC OEL
Tributyl phosphate	126-73-8	TWA	0.2 ppm 2.2 mg/m³	CA AB OEL
		TWA	0.2 ppm	CA BC OEL
		TWAEV (in- halable frac- tion and va- pour)	5 mg/m³	CA QC OEL
		TWA (Inha- lable fraction and vapor)	5 mg/m³	ACGIH
Quartz	14808-60-7	TWA (Respirable particulates)	0.025 mg/m³	CA AB OEL
		TWA (Respirable fraction)	0.1 mg/m ³	CA ON OEL
		TWAEV (respirable dust)	0.1 mg/m ³	CA QC OEL
		TWA (Respirable particu-	0.025 mg/m³ (Silica)	ACGIH

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 01/10/2023

 5.0
 12/15/2023
 5245740-00008
 Date of first issue: 11/04/2019

late matter)

This substance(s) is not bioavailable and therefore does not contribute to a dust inhalation hazard.

Quartz

Biological occupational exposure limits

Components	CAS-No.	Control	Biological	Sam-	Permissible	Basis
		parameters	specimen	pling	concentra-	
				time	tion	
Tributyl phosphate	126-73-8	Acetylcholi-	In red	End of	70 % of an	ACGIH
		nesterase	blood cells	shift	individual's	BEI
		activity			baseline	
		Butyrylcho-	In serum	End of	60 % of an	ACGIH
		linesterase	or plasma	shift	individual's	BEI
		activity			baseline	

Engineering measures : Minimize workplace exposure concentrations.

If sufficient ventilation is unavailable, use with local exhaust

ventilation.

Personal protective equipment

Respiratory protection : If adequate local exhaust ventilation is not available or expo-

sure assessment demonstrates exposures outside the re-

commended guidelines, use respiratory protection.

Filter type : Combined particulates and organic vapor type

Hand protection

Material : butyl-rubber

Material : Nitrile rubber

Material : Neoprene

Material : PVC

Remarks : Choose gloves to protect hands against chemicals depending

on the concentration specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday. Breakthrough time is not determined for the pro-

duct. Change gloves often!

Eye protection : Wear the following personal protective equipment:

Chemical resistant goggles must be worn.

If splashes are likely to occur, wear:

Face-shield

Skin and body protection : Select appropriate protective clothing based on chemical

resistance data and an assessment of the local exposure

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

potential.

Skin contact must be avoided by using impervious protective

clothing (gloves, aprons, boots, etc).

Hygiene measures : If exposure to chemical is likely during typical use, provide

eye flushing systems and safety showers close to the wor-

king place.

When using do not eat, drink or smoke.

Contaminated work clothing should not be allowed out of the

workplace.

Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous liquid

Color : beige

Odor : No data available

Odor Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Initial boiling point and boiling :

range

> 200 °C

Flash point : $> 100 \, ^{\circ}\text{C}$

Evaporation rate : < 1

(Butyl Acetate=1.0)

Flammability (solid, gas) : Not applicable

Flammability (liquids) : Ignitable (see flash point)

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower :

flammability limit

No data available

Vapor pressure : < 0.013 hPa (25 °C)

Relative vapor density : > 1

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5245740-00008 Date of first issue: 11/04/2019

(Air = 1.0)

Density : 1.288 g/cm³ (20 °C)

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-

octanol/water

Not applicable

Autoignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Particle size : Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reac-

tions

Can react with strong oxidizing agents.

Conditions to avoid : None known.

Incompatible materials : Oxidizing agents

Hazardous decomposition

products

No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact

Ingestion

Eye contact

Acute toxicity

Not classified based on available information.

Product:

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist Method: Calculation method

Components:

Talc:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Remarks: Based on data from similar materials

Ethylenediamine, propoxylated:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 402

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Acute oral toxicity : LD50 (Rat): 550 mg/kg

Method: OECD Test Guideline 425

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

3-Aminomethyl-3,5,5-trimethylcyclohexylamine:

Acute oral toxicity : LD50 (Rat, male): 1,030 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.01 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Assessment: Corrosive to the respiratory tract.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 402

(Di-butylamino) diphenylmethane:

Acute oral toxicity : LD50 (Rat, female): > 300 - 2,000 mg/kg

Method: OECD Test Guideline 423

Acute dermal toxicity : LD50 (Rat, female): > 2,000 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5245740-00008 Date of first issue: 11/04/2019

Silicon dioxide:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 2.08 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Tributyl phosphate:

Acute oral toxicity : LD50 (Rat): 1,552 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4.242 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 3,100 mg/kg

Quartz:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Components:

Talc:

Species : Rabbit

Result : No skin irritation

Ethylenediamine, propoxylated:

Species : Rabbit

Method : OECD Test Guideline 404

Result : No skin irritation

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Species : Rabbit

Method : OECD Test Guideline 404

Result : Skin irritation

3-Aminomethyl-3,5,5-trimethylcyclohexylamine:

Result : Corrosive after 3 minutes to 1 hour of exposure

Remarks : Based on national or regional regulation.

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

(Di-butylamino) diphenylmethane:

Species : reconstructed human epidermis (RhE)

Method : OECD Test Guideline 431

Species : reconstructed human epidermis (RhE)

Method : OECD Test Guideline 439

Result : No skin irritation

Silicon dioxide:

Species : Rabbit

Method : OECD Test Guideline 404

Result : No skin irritation

Tributyl phosphate:

Result : Skin irritation

Remarks : Based on national or regional regulation.

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

Talc:

Species : Rabbit

Result : No eye irritation

Ethylenediamine, propoxylated:

Species : Rabbit

Result : Irritation to eyes, reversing within 21 days

Method : OECD Test Guideline 405

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Species : Bovine cornea

Method : OECD Test Guideline 437

Result : Irreversible effects on the eye

3-Aminomethyl-3,5,5-trimethylcyclohexylamine:

Species : Rabbit

Result : Irreversible effects on the eye Method : OECD Test Guideline 405

(Di-butylamino) diphenylmethane:

Species : Bovine cornea

Method : OECD Test Guideline 437

Result : No eye irritation

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Silicon dioxide:

Species : Rabbit

Result : No eye irritation

Method : OECD Test Guideline 405

Tributyl phosphate:

Species : Rabbit

Result : No eye irritation

Method : OECD Test Guideline 405

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Components:

Talc:

Routes of exposure : Skin contact Species : Humans Result : negative

Ethylenediamine, propoxylated:

Test Type : Maximization Test
Routes of exposure : Skin contact
Species : Guinea pig

Method : OECD Test Guideline 406

Result : negative

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Test Type : Local lymph node assay (LLNA)

Routes of exposure : Skin contact

Species : Mouse

Method : OECD Test Guideline 429

Result : positive

Assessment : Probability or evidence of skin sensitization in humans

 ${\bf 3-Aminomethyl-3,5,5-trimethylcyclohexylamine:}$

Test Type : Maximization Test
Routes of exposure : Skin contact
Species : Guinea pig

Method : OECD Test Guideline 406

Result : positive

Assessment : Probability or evidence of high skin sensitization rate in hu-

mans

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

(Di-butylamino) diphenylmethane:

Test Type : Local lymph node assay (LLNA)

Routes of exposure : Skin contact Species : Mouse

Method : OECD Test Guideline 429

Result : positive

Assessment : Probability or evidence of low to moderate skin sensitization

rate in humans

Tributyl phosphate:

Routes of exposure : Skin contact
Species : Guinea pig
Result : negative

Germ cell mutagenicity

Not classified based on available information.

Components:

Talc:

Genotoxicity in vitro : Test Type: DNA damage and repair, unscheduled DNA syn-

thesis in mammalian cells (in vitro)

Result: negative

Genotoxicity in vivo : Test Type: Chromosome aberration test in vitro

Species: Rat

Application Route: Ingestion

Result: negative

Ethylenediamine, propoxylated:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)

Method: OECD Test Guideline 471

Result: negative

Test Type: Chromosome aberration test in vitro

Method: OECD Test Guideline 473

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Method: OECD Test Guideline 476

Result: negative

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)

Method: OECD Test Guideline 471

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Method: OECD Test Guideline 476

Result: negative

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Test Type: Chromosome aberration test in vitro

Method: OECD Test Guideline 473

Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo

cytogenetic assay)

Species: Rat

Application Route: Ingestion Method: OECD Test Guideline 474

Result: negative

3-Aminomethyl-3,5,5-trimethylcyclohexylamine:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)

Method: Regulation (EC) No. 440/2008, Annex, B.13/14

(Ames test) Result: negative

Test Type: In vitro mammalian cell gene mutation test

Method: OECD Test Guideline 476

Result: negative

Test Type: Chromosome aberration test in vitro

Method: OECD Test Guideline 473

Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo

cytogenetic assay) Species: Mouse

Application Route: Ingestion Method: OECD Test Guideline 474

Result: negative

(Di-butylamino) diphenylmethane:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)

Method: OECD Test Guideline 471

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Method: OECD Test Guideline 490

Result: negative

Test Type: Chromosome aberration test in vitro

Method: OECD Test Guideline 473

Result: negative

Silicon dioxide:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)

Method: OECD Test Guideline 471

Result: negative

Genotoxicity in vivo : Test Type: Mutagenicity (in vivo mammalian bone-marrow

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

cytogenetic test, chromosomal analysis)

Species: Rat

Application Route: Ingestion

Result: negative

Tributyl phosphate:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Result: negative

Test Type: Bacterial reverse mutation assay (AMES)

Result: negative

Genotoxicity in vivo : Test Type: Mutagenicity (in vivo mammalian bone-marrow

cytogenetic test, chromosomal analysis)

Species: Rat

Application Route: Ingestion

Result: negative

Carcinogenicity

Suspected of causing cancer.

Components:

Talc:

Species : Mouse

Application Route : inhalation (dust/mist/fume)

Exposure time : 2 Years
Result : negative

Silicon dioxide:

Species : Rat
Application Route : Ingestion
Exposure time : 103 weeks
Result : negative

Tributyl phosphate:

Species : Rat
Application Route : Ingestion
Exposure time : 24 month(s)
Result : positive

Carcinogenicity - Assess-

ment

: Limited evidence of carcinogenicity in animal studies

Quartz:

Species : Humans

Application Route : inhalation (dust/mist/fume)

Result : positive

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Remarks : This substance(s) is not bioavailable and therefore does not

contribute to a dust inhalation hazard.

Carcinogenicity - Assess-

ment

Positive evidence from human epidemiological studies (inhala-

tion)

Reproductive toxicity

May damage the unborn child.

Components:

Talc:

Effects on fetal development : Test Type: Embryo-fetal development

Species: Rat

Application Route: Ingestion

Result: negative

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Effects on fetal development : Test Type: Embryo-fetal development

Species: Rat

Application Route: Ingestion Method: OECD Test Guideline 414

Result: positive

Reproductive toxicity - As-

sessment

Clear evidence of adverse effects on development, based on

animal experiments.

3-Aminomethyl-3,5,5-trimethylcyclohexylamine:

Effects on fetal development : Test Type: Embryo-fetal development

Species: Rat

Application Route: Ingestion
Method: OECD Test Guideline 414

Result: negative

(Di-butylamino) diphenylmethane:

Effects on fertility : Test Type: Combined repeated dose toxicity study with the

reproduction/developmental toxicity screening test

Species: Rat

Application Route: Ingestion Method: OECD Test Guideline 422

Result: negative

Effects on fetal development : Test Type: Combined repeated dose toxicity study with the

reproduction/developmental toxicity screening test

Species: Rat

Application Route: Ingestion Method: OECD Test Guideline 422

Result: negative

Silicon dioxide:

Effects on fetal development: Test Type: Embryo-fetal development

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Species: Rat

Application Route: Ingestion

Result: negative

Tributyl phosphate:

Effects on fertility : Test Type: Two-generation reproduction toxicity study

Species: Rat

Application Route: Ingestion

Result: negative

Effects on fetal development : Test Type: Embryo-fetal development

Species: Rat

Application Route: Ingestion

Result: negative

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Causes damage to organs (Lungs, Adrenal gland, Liver, Heart) through prolonged or repeated exposure.

Components:

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Routes of exposure : Ingestion

Target Organs : Lungs, Adrenal gland, Liver, Heart

Assessment : Shown to produce significant health effects in animals at con-

centrations of 10 mg/kg bw or less.

(Di-butylamino) diphenylmethane:

Routes of exposure : Ingestion Target Organs : Liver

Assessment : Shown to produce significant health effects in animals at con-

centrations of >10 to 100 mg/kg bw.

Quartz:

Routes of exposure : inhalation (dust/mist/fume)

Target Organs : Lungs

Assessment : Shown to produce significant health effects in animals at con-

centrations of 0.02 mg/l/6h/d or less.

Repeated dose toxicity

Components:

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Species : Rat
NOAEL : 5 mg/kg
Application Route : Ingestion
Exposure time : 28 Days

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5245740-00008 Date of first issue: 11/04/2019

Method : OECD Test Guideline 407

3-Aminomethyl-3,5,5-trimethylcyclohexylamine:

Species : Rat

NOAEL : 60 mg/kg

LOAEL : 160 mg/kg

Application Route : Ingestion

Exposure time : 13 Weeks

Method : OECD Test Guideline 408

(Di-butylamino) diphenylmethane:

Species : Rat NOAEL : 15 mg/kg Application Route : Ingestion

Method : OECD Test Guideline 422

Silicon dioxide:

Species : Rat NOAEL : 1.3 mg/m³

Application Route : inhalation (dust/mist/fume)

Exposure time : 13 Weeks

Tributyl phosphate:

Species : Mouse
LOAEL : > 300 mg/kg
Application Route : Ingestion
Exposure time : 90 Days

Quartz:

Species : Humans LOAEL : 0.053 mg/m³

Application Route : inhalation (dust/mist/fume)

Remarks : This substance(s) is not bioavailable and therefore does not

contribute to a dust inhalation hazard.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Talc:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 100,000 mg/l

Exposure time: 24 h

Ethylenediamine, propoxylated:

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 4,600 mg/l

Exposure time: 96 h Method: DIN 38412

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

Method: Directive 67/548/EEC, Annex V, C.2.

Toxicity to algae/aquatic

plants

ErC50 (Desmodesmus subspicatus (green algae)): 150.7 mg/l

Exposure time: 72 h

Method: Directive 67/548/EEC, Annex V, C.3.

NOEC (Desmodesmus subspicatus (green algae)): 4.25 mg/l

Exposure time: 72 h

Method: Directive 67/548/EEC, Annex V, C.3.

Toxicity to microorganisms : NOEC: 700 mg/l

Exposure time: 3 h Method: ISO 8192

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): 30.24 mg/l

Exposure time: 96 h

Test substance: Water Accommodated Fraction

Method: OECD Test Guideline 203

Toxicity to microorganisms : EC50: > 100 mg/l

Exposure time: 3 h

Method: OECD Test Guideline 209

3-Aminomethyl-3,5,5-trimethylcyclohexylamine:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 110 mg/l

Exposure time: 96 h

Method: Regulation (EC) No. 440/2008, Annex, C.1

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 23 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

EC10 (Desmodesmus subspicatus (green algae)): 11.2 mg/l

Exposure time: 72 h

Method: Regulation (EC) No. 440/2008, Annex, C.3

ErC50 (Desmodesmus subspicatus (green algae)): > 50 mg/l

Exposure time: 72 h

Method: Regulation (EC) No. 440/2008, Annex, C.3

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

ic toxicity)

NOEC (Daphnia magna (Water flea)): 3 mg/l

Exposure time: 21 d

Toxicity to microorganisms : EC10 (Pseudomonas putida): 1,120 mg/l

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5245740-00008 Date of first issue: 11/04/2019

Exposure time: 18 h

Test substance: Neutralized product

(Di-butylamino) diphenylmethane:

Toxicity to fish : LL50 (Danio rerio (zebra fish)): > 0.61 mg/l

Exposure time: 96 h

Test substance: Water Accommodated Fraction

Method: OECD Test Guideline 203

Remarks: No toxicity at the limit of solubility.

Toxicity to daphnia and other :

aquatic invertebrates

EL50 (Daphnia magna (Water flea)): 0.21 mg/l

Exposure time: 48 h

Test substance: Water Accommodated Fraction

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

EL50 (Pseudokirchneriella subcapitata (green algae)): 0.187

mg/l

Exposure time: 72 h

Test substance: Water Accommodated Fraction

Method: OECD Test Guideline 201

EL10 (Pseudokirchneriella subcapitata (green algae)): 0.081

mg/l

Exposure time: 72 h

Test substance: Water Accommodated Fraction

Method: OECD Test Guideline 201

Toxicity to microorganisms : EC10 (activated sludge): 232 mg/l

Exposure time: 3 h

Method: OECD Test Guideline 209

Silicon dioxide:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 10,000 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

Exposure time: 24 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

EC50 (Desmodesmus subspicatus (green algae)): > 10,000

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: Based on data from similar materials

NOEC (Desmodesmus subspicatus (green algae)): 10,000

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: Based on data from similar materials

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Tributyl phosphate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4.2 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 2.6 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

ErC50 (Desmodesmus subspicatus (green algae)): 2.8 mg/l

Exposure time: 72 h

EC10 (Desmodesmus subspicatus (green algae)): 0.92 mg/l

Exposure time: 72 h

Toxicity to fish (Chronic tox-

icity)

NOEC (Oncorhynchus mykiss (rainbow trout)): 0.82 mg/l

Exposure time: 95 d

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

ic toxicity)

NOEC (Daphnia magna (Water flea)): 0.87 mg/l

Exposure time: 21 d

Toxicity to microorganisms : EC50: 100 mg/l

Exposure time: 3 h

Method: OECD Test Guideline 209

Quartz:

Ecotoxicology Assessment

Acute aquatic toxicity : No toxicity at the limit of solubility.

Chronic aquatic toxicity : No toxicity at the limit of solubility.

Persistence and degradability

Components:

Ethylenediamine, propoxylated:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 9 % Exposure time: 28 d

Method: Regulation (EC) No. 440/2008, Annex, C.4-D

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 44 % Exposure time: 28 d

Method: OECD Test Guideline 301B

3-Aminomethyl-3,5,5-trimethylcyclohexylamine:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 8 % Exposure time: 28 d

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

Method: Regulation (EC) No. 440/2008, Annex, C.4-A

(Di-butylamino) diphenylmethane:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 2 % Exposure time: 28 d

Method: OECD Test Guideline 301B

Tributyl phosphate:

Biodegradability : Result: Readily biodegradable.

Biodegradation: 92 % Exposure time: 28 d

Method: OECD Test Guideline 301D

Bioaccumulative potential

Components:

Ethylenediamine, propoxylated:

Partition coefficient: n-

octanol/water

log Pow: 0.3 - 1.6

3,3-Dimethylbutan-2-yl)({6-[(3,3-dimethylbutan-2-yl)amino]hexyl}amine):

Partition coefficient: n-

octanol/water

: log Pow: 2.1

 ${\bf 3-Aminomethyl-3,5,5-trimethylcyclohexylamine:}$

Partition coefficient: n- : log Pow: 0.99

octanol/water Method: OECD Test Guideline 107

(Di-butylamino) diphenylmethane:

Partition coefficient: n- : log Pow: 5.4

octanol/water Method: OECD Test Guideline 117

Tributyl phosphate:

Bioaccumulation : Species: Cyprinus carpio (Carp)

Bioconcentration factor (BCF): 6.9 - 20

Partition coefficient: n-

octanol/water

log Pow: 4

Mobility in soil

No data available

Other adverse effects

No data available

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5.0 12/15/2023 5245740-00008 Date of first issue: 11/04/2019

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not dispose of waste into sewer.

Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste

handling site for recycling or disposal.

If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

TDG

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

Volatile organic compounds

(VOC) content

Canada - Volatile Organic Compound Concentration Limits for

Certain Products Regulations

VOC content: 0 g/l

The ingredients of this product are reported in the following inventories:

DSL : All chemical substances in this product comply with the CEPA

1999 and NSNR and are on or exempt from listing on the

Canadian Domestic Substances List (DSL).

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version 5.0	Revision Date: 12/15/2023		S Number: 45740-00008	Date of last issue: 01/10/2023 Date of first issue: 11/04/2019
ACGIH	BEI	:	ACGIH - Biologica	al Exposure Indices (BEI)
CA AB	OEL	:	Canada. Alberta, (2: OEL)	Occupational Health and Safety Code (table
CA BC	OEL	:	Canada. British Co	olumbia OEL
CA ON	OEL	:		Occupational Exposure Limits made under Health and Safety Act.
CA QC	OEL	:		on respecting occupational health and safe- art 1: Permissible exposure values for air- ts
ACGIH	/TWA	:	8-hour, time-weigh	nted average
CA AB	OEL / TWA	:	8-hour Occupation	nal exposure limit
CA BC	OEL / TWA	:	8-hour time weigh	ted average
	OEL / TWA	:		verage Limit (TWA)
CA QC	OEL / TWAEV	:	Time-weighted av	erage exposure value

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate: NOM - Official Mexican Norm: NTP - National Toxicology Program: NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Sources of key data used to compile the Material Safety

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen-

Data Sheet

cy, http://echa.europa.eu/

Revision Date : 12/15/2023 Date format : mm/dd/yyyy

according to the Hazardous Products Regulations



REPLAST EASY 1.5 MIN, Component A

Version Revision Date: SDS Number: Date of last issue: 01/10/2023 5245740-00008 Date of first issue: 11/04/2019

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

CA / Z8