

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version 2.3	Revision Date: 06/09/2022	SDS Number: 4961738-00005	Date of last issue: 09/22/2021 Date of first issue: 09/30/2019
----------------	------------------------------	------------------------------	---

---

**SECTION 1. IDENTIFICATION**

Product name : EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L

Product code : 5866.400110

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 : Clear coating

Restrictions on use : Not applicable

---

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the Hazardous Products Regulations**

Flammable liquids : Category 3

Acute toxicity (Inhalation) : Category 4

Skin sensitization : Category 1

Specific target organ toxicity : Category 3  
- single exposure

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

---

**GHS label elements**

Hazard pictograms

:



Signal Word

: Warning

Hazard Statements

: H226 Flammable liquid and vapor.  
H317 May cause an allergic skin reaction.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.

Precautionary Statements

**Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing mist or vapors.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves, protective clothing, eye protection and face protection.

**Response:**  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.  
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.

**Other hazards**

Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reactive airways dysfunction syndrome).  
Vapors may form explosive mixture with air.

---

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture

: Mixture

# EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L

Version 2.3      Revision Date: 06/09/2022      SDS Number: 4961738-00005      Date of last issue: 09/22/2021  
 Date of first issue: 09/30/2019

## Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6	$\geq 30 - < 60$ *
Hexamethylene diisocyanate, oligomers	Hexane, 1,6-diisocyanato-, homopolymer	28182-81-2	$\geq 30 - < 60$ *
Heptan-2-one	Methyl amyl ketone	110-43-0	$\geq 10 - < 30$ *
2-Butoxyethyl acetate	Ethanol, 2-butoxy-, 1-acetate	112-07-2	$\geq 5 - < 10$ *

\* 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 advice immediately.  
 When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : If inhaled, remove to fresh air.  
 If not breathing, give artificial respiration.  
 If breathing is difficult, give oxygen.  
 Get medical attention if symptoms occur.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water.  
 Remove contaminated clothing and shoes.  
 Get medical attention.  
 Wash clothing before reuse.  
 Thoroughly clean shoes before reuse.
- In case of eye contact : Flush eyes with water as a precaution.  
 Get medical attention if irritation develops and persists.
- If swallowed : If swallowed, DO NOT induce vomiting.  
 If vomiting occurs have person lean forward.  
 Call a physician or poison control center immediately.  
 Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.  
 Harmful if inhaled.  
 May cause respiratory irritation.  
 Respiratory symptoms, including pulmonary edema, may be delayed.  
 Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reactive airways dysfunction syndrome).
- Protection of first-aiders : First Aid responders should pay attention to self-protection,

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version 2.3	Revision Date: 06/09/2022	SDS Number: 4961738-00005	Date of last issue: 09/22/2021 Date of first issue: 09/30/2019
----------------	------------------------------	------------------------------	---

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 : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Water spray in large fire situations
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.  
Flash back possible over considerable distance.  
Vapors may form explosive mixtures with air.  
Exposure to combustion products may be a hazard to health.  
If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.
- Hazardous combustion products : Carbon oxides  
Chlorine compounds  
Fluorine compounds  
Nitrogen oxides (NO<sub>x</sub>)
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances 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**

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.  
Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective 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.

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

---

Methods and materials for containment and cleaning up : Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (knock down) gases/vapors/mists with a water spray jet.  
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 absorbent.  
After approximately one hour, transfer to waste container and do not seal, due to evolution of carbon dioxide.  
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.  
Use explosion-proof electrical, ventilating and lighting equipment.

Advice on safe handling : Do not get on skin or clothing.  
Avoid breathing mist or vapors.  
Do not swallow.  
Avoid contact with eyes.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Non-sparking tools should be used.  
Keep container tightly closed.  
Protect from moisture.  
Already sensitized individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respiratory irritants or sensitizers.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Take precautionary measures against static discharges.  
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.  
Store locked up.  
Protect from moisture.  
Keep in a cool, well-ventilated place.

# EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

Store in accordance with the particular national regulations.  
Keep away from heat and sources of ignition.

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

- Strong oxidizing agents
- Self-reactive substances and mixtures
- Organic peroxides
- Flammable solids
- Pyrophoric liquids
- Pyrophoric solids
- Self-heating substances and mixtures
- Substances and mixtures which in contact with water emit flammable gases
- Explosives
- Gases
- Very acutely toxic substances and mixtures

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Hexamethylene diisocyanate, oligomers	28182-81-2	TWA	0.005 ppm	CA BC OEL
		C	0.01 ppm	CA BC OEL
Heptan-2-one	110-43-0	TWA	50 ppm 233 mg/m <sup>3</sup>	CA AB OEL
		TWA	50 ppm	CA BC OEL
		TWA	25 ppm 115 mg/m <sup>3</sup>	CA ON OEL
		TWAEV	50 ppm 233 mg/m <sup>3</sup>	CA QC OEL
		TWA	50 ppm	ACGIH
2-Butoxyethyl acetate	112-07-2	TWA	20 ppm 131 mg/m <sup>3</sup>	CA AB OEL
		TWA	20 ppm	CA BC OEL
		TWAEV	20 ppm	CA QC OEL
		TWA	20 ppm	ACGIH

**Engineering measures** : Minimize workplace exposure concentrations.  
If sufficient ventilation is unavailable, use with local exhaust ventilation.  
Use explosion-proof electrical, ventilating and lighting equipment.

### Personal protective equipment

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version 2.3	Revision Date: 06/09/2022	SDS Number: 4961738-00005	Date of last issue: 09/22/2021 Date of first issue: 09/30/2019
----------------	------------------------------	------------------------------	---

Filter type	: Combined particulates and organic vapor type
Hand protection Material	: butyl-rubber
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 product. Change gloves often!
Eye protection	: Wear the following personal protective equipment: Safety glasses
Skin and body protection	: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Wear the following personal protective equipment: If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing. 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 working 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	: liquid
Color	: light yellow
Odor	: characteristic
Odor Threshold	: No data available
pH	: No data available
Melting point/freezing point	: < -24 °C

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version 2.3	Revision Date: 06/09/2022	SDS Number: 4961738-00005	Date of last issue: 09/22/2021 Date of first issue: 09/30/2019
----------------	------------------------------	------------------------------	---

---

Initial boiling point and boiling range	:	> 139 °C
Flash point	:	39 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	Ignitable (see flash point)
Upper explosion limit / Upper flammability limit	:	10.5 %(V)
Lower explosion limit / Lower flammability limit	:	0.9 %(V)
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	1.162
Solubility(ies) Water solubility	:	Reacts with water.
Partition coefficient: n-octanol/water	:	Not applicable
Autoignition temperature	:	272 °C
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 if used as directed. Follow precautionary advice and avoid incompatible materials and conditions. Polymerizes at high temperatures with evolution of carbon dioxide.



**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version 2.3	Revision Date: 06/09/2022	SDS Number: 4961738-00005	Date of last issue: 09/22/2021 Date of first issue: 09/30/2019
----------------	------------------------------	------------------------------	---

Possibility of hazardous reactions : Flammable liquid and vapor.  
Vapors may form explosive mixture with air.  
Isocyanates react with many materials and the rate of reaction increases with temperature as well as increased contact; these reactions can become violent. Contact is increased by stirring or if the other material mixes with the isocyanate.  
Exothermic reaction with acids, amines and alcohols  
Reacts with water to form carbon dioxide and heat  
Isocyanates are not soluble in water and sink to the bottom, but react slowly at the interface. The reaction forms carbon dioxide gas and a layer of solid polyurea.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Oxidizing agents  
Acids  
Bases  
Water  
Alcohols  
Amines  
Ammonia  
Aluminum  
Zinc  
Brass  
Tin  
Copper  
Galvanized metals  
Humid air

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**

Harmful if inhaled.

**Product:**

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

Acute inhalation toxicity : Assessment: The substance/mixture is not toxic on inhalation as defined by dangerous goods regulations.

Acute toxicity estimate: 2.94 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version 2.3	Revision Date: 06/09/2022	SDS Number: 4961738-00005	Date of last issue: 09/22/2021 Date of first issue: 09/30/2019
----------------	------------------------------	------------------------------	---

Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

**Components:****4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

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

Acute inhalation toxicity : LC50 (Rat): > 32.03 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 3,300 mg/kg

**Hexamethylene diisocyanate, oligomers:**

Acute oral toxicity : LD50 (Rat, female): > 2,500 mg/kg  
Method: OECD Test Guideline 423  
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Acute toxicity estimate: 1.5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Expert judgment

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

**Heptan-2-one:**

Acute oral toxicity : LD50 (Rat): 1,600 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 16.7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402

**2-Butoxyethyl acetate:**

Acute oral toxicity : LD50 (Rat): 1,880 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Expert judgment

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

---

Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

Acute dermal toxicity : LD50 (Rabbit): 1,500 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Components:****4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Species	: Rabbit
Result	: No skin irritation

**Hexamethylene diisocyanate, oligomers:**

Species	: Rabbit
Method	: OECD Test Guideline 404
Result	: No skin irritation

**Heptan-2-one:**

Species	: Rabbit
Method	: OECD Test Guideline 404
Result	: Mild skin irritation

**2-Butoxyethyl acetate:**

Species	: Rabbit
Result	: No skin irritation

**Serious eye damage/eye irritation**

Not classified based on available information.

**Components:****4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Species	: Rabbit
Result	: No eye irritation

**Hexamethylene diisocyanate, oligomers:**

Species	: Rabbit
Result	: No eye irritation
Method	: OECD Test Guideline 405

**Heptan-2-one:**

Species	: Rabbit
Result	: No eye irritation
Method	: OECD Test Guideline 405

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

---

**2-Butoxyethyl acetate:**

Species	:	Rabbit
Result	:	No eye irritation

**Respiratory or skin sensitization****Skin sensitization**

May cause an allergic skin reaction.

**Respiratory sensitization**

Not classified based on available information.

**Components:****4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

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
------------	---	--

**Hexamethylene diisocyanate, oligomers:**

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
------------	---	---

Routes of exposure	:	Inhalation
Species	:	Guinea pig
Result	:	negative

**Heptan-2-one:**

Test Type	:	Local lymph node assay (LLNA)
Routes of exposure	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	negative

**2-Butoxyethyl acetate:**

Test Type	:	Buehler Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Result	:	negative

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version 2.3	Revision Date: 06/09/2022	SDS Number: 4961738-00005	Date of last issue: 09/22/2021 Date of first issue: 09/30/2019
----------------	------------------------------	------------------------------	---

---

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative
		Test Type: Chromosome aberration test in vitro Result: negative
Genotoxicity in vivo	:	Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) Species: Rat Application Route: Ingestion Result: negative

**Hexamethylene diisocyanate, oligomers:**

Genotoxicity in vitro	:	Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative
		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
Genotoxicity in vivo	:	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative

**Heptan-2-one:**

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
		Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative
		Test Type: DNA damage and repair, unscheduled DNA syn-

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

---

thesis in mammalian cells (in vitro)  
Result: negative

Genotoxicity in vivo : Test Type: DNA Repair  
Species: Rat  
Application Route: inhalation (vapor)  
Result: negative

**2-Butoxyethyl acetate:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Result: negative  
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative  
Remarks: Based on data from similar materials

**Carcinogenicity**

Not classified based on available information.

**Components:****2-Butoxyethyl acetate:**

Species : Rat  
Application Route : inhalation (vapor)  
Exposure time : 2 Years  
Result : negative  
Remarks : Based on data from similar materials

**Reproductive toxicity**

Not classified based on available information.

**Components:****4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Effects on fertility : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative

Effects on fetal development : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative

**Heptan-2-one:**

Effects on fertility : Test Type: Reproduction/Developmental toxicity screening test  
Species: Rat

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

---

Application Route: inhalation (vapor)  
Method: OECD Test Guideline 421  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: inhalation (vapor)  
Method: OECD Test Guideline 414  
Result: negative

**2-Butoxyethyl acetate:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Mouse  
Application Route: Ingestion  
Result: negative  
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative  
Remarks: Based on data from similar materials

**STOT-single exposure**

May cause respiratory irritation.

**Components:****Hexamethylene diisocyanate, oligomers:**

Assessment : May cause respiratory irritation.

**STOT-repeated exposure**

Not classified based on available information.

**Components:****Heptan-2-one:**

Assessment : No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

**Repeated dose toxicity****Components:****4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Species : Rat  
LOAEL : 150 mg/kg  
Application Route : Ingestion  
Exposure time : 90 Days

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

**Heptan-2-one:**

Species	: Rat
NOAEL	: > 20 mg/kg
Application Route	: Ingestion
Exposure time	: 13 Weeks

Species	: Rat
NOAEL	: >= 4.779 mg/l
Application Route	: inhalation (vapor)
Exposure time	: 10 Months

**2-Butoxyethyl acetate:**

Species	: Rat, male
NOAEL	: < 69 mg/kg
Application Route	: Ingestion
Exposure time	: 90 Days

**Aspiration toxicity**

Not classified based on available information.

**Components:****Heptan-2-one:**

The substance or mixture causes concern owing to the assumption that it causes a human aspiration toxicity hazard.

---

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): 3 mg/l
	Exposure time: 96 h
	Method: OECD Test Guideline 203

Toxicity to algae/aquatic plants	: ErC50 (Pseudokirchneriella subcapitata (green algae)): > 0.41 mg/l
	Exposure time: 72 h
	Method: OECD Test Guideline 201

	EC10 (Pseudokirchneriella subcapitata (green algae)): > 0.41 mg/l
	Exposure time: 72 h
	Method: OECD Test Guideline 201

Toxicity to microorganisms	: EC50: 103.6 mg/l
	Exposure time: 3 h
	Method: OECD Test Guideline 209



**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

**Hexamethylene diisocyanate, oligomers:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Method: Directive 67/548/EEC, Annex V, C.1.
- Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 127 mg/l  
Exposure time: 48 h  
Method: Directive 67/548/EEC, Annex V, C.2.
- Toxicity to algae/aquatic plants : EC10 (Desmodesmus subspicatus (green algae)): 370 mg/l  
Exposure time: 72 h  
  
ErC50 (Desmodesmus subspicatus (green algae)): > 1,000 mg/l  
Exposure time: 72 h
- Toxicity to microorganisms : EC10: 880 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

**Heptan-2-one:**

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 131 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 90.1 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 98.2 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
  
NOEC (Pseudokirchneriella subcapitata (green algae)): 42.68 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to microorganisms : EC10 (Pseudomonas putida): 52 mg/l  
Exposure time: 16 h

**2-Butoxyethyl acetate:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 28 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 37 mg/l  
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 1,570 mg/l  
Exposure time: 72 h

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version 2.3	Revision Date: 06/09/2022	SDS Number: 4961738-00005	Date of last issue: 09/22/2021 Date of first issue: 09/30/2019
----------------	------------------------------	------------------------------	---

Method: ISO 8692

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10 (Ceriodaphnia dubia (water flea)): 30.4 mg/l  
Exposure time: 7 d

Toxicity to microorganisms : IC50: 2,800 mg/l  
Exposure time: 16 h

**Persistence and degradability****Components:****4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 19.2 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

**Hexamethylene diisocyanate, oligomers:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 1 %  
Exposure time: 28 d  
Method: Regulation (EC) No. 440/2008, Annex, C.4-E

**Heptan-2-one:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 69 %  
Exposure time: 28 d  
Method: OECD Test Guideline 310

**2-Butoxyethyl acetate:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 88 %  
Exposure time: 28 d

**Bioaccumulative potential****Components:****4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene:**

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)  
Bioconcentration factor (BCF): 121.8 - 202

Partition coefficient: n-octanol/water : log Pow: 3.7

**Hexamethylene diisocyanate, oligomers:**

Partition coefficient: n-octanol/water : log Pow: > 4  
Remarks: Calculation

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

---

**Heptan-2-one:**

Partition coefficient: n-octanol/water : log Pow: 2.26

**2-Butoxyethyl acetate:**

Partition coefficient: n-octanol/water : log Pow: 1.51

**Mobility in soil**

No data available

**Other adverse effects**

No data available

---

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Empty containers retain residue and can be dangerous.  
Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death.  
If not otherwise specified: Dispose of as unused product.

---

**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

UN number : UN 1263  
Proper shipping name : PAINT RELATED MATERIAL  
Class : 3  
Packing group : III  
Labels : 3

**IATA-DGR**

UN/ID No. : UN 1263  
Proper shipping name : Paint related material  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

**IMDG-Code**

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

UN number	:	UN 1263
Proper shipping name	:	PAINT RELATED MATERIAL (4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, <u>S-E</u>
Marine pollutant	:	yes

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

Not applicable for product as supplied.

**Domestic regulation****TDG**

UN number	:	UN 1263
Proper shipping name	:	PAINT RELATED MATERIAL
Class	:	3
Packing group	:	III
Labels	:	3
ERG Code	:	128
Marine pollutant	:	yes(4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene)

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**SECTION 15. REGULATORY INFORMATION**

<b>Volatile organic compounds (VOC) content</b>	CANADIAN ENVIRONMENTAL PROTECTION ACT, 1999 - Guidelines for VOC in Consumer Products VOC content: 204.9 g/l Remarks: VOC content excluding water
---	--

**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)
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	:	Canada. British Columbia OEL
CA ON OEL	:	Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
CA QC OEL	:	Québec. Regulation respecting occupational health and safe-

# EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5 L

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

	ty, Schedule 1, Part 1: Permissible exposure values for air-borne contaminants
ACGIH / TWA	: 8-hour, time-weighted average
CA AB OEL / TWA	: 8-hour Occupational exposure limit
CA BC OEL / TWA	: 8-hour time weighted average
CA BC OEL / C	: ceiling limit
CA ON OEL / TWA	: Time-Weighted Average Limit (TWA)
CA QC OEL / TWA EV	: Time-weighted average 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 Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 06/09/2022  
Date format : mm/dd/yyyy

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

**EUROCLEAR PRO ACTIVATOR, Slow dry, 2.5  
L**

Version	Revision Date:	SDS Number:	Date of last issue: 09/22/2021
2.3	06/09/2022	4961738-00005	Date of first issue: 09/30/2019

---

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