

POLYCOMP® GmbH

Safety datasheet acc. to EC reg. 1907/2006

In the version of regulation EC Nr. 830/2015

Product name: Root Remover

Date: 04.05.21; Printing date: 04.05.21

SECTION 1: Identification on the company

1.1 Identification of the substance/mixture: Root Remover

UFI: JJS2-C0H6-4002-MFGQ

1.2 Relevant identified uses of the substance/mixture: Root remover/fertilizer

1.3. Uses advised against identified uses: No uses advised against known.

1.4. Details on the supplier/distributor: Suppl.: POLYCOMP R. Reinders GmbH
Reeser Straße 563
47546 Kalkar
Tel. 02824/9714-0
Fax. 02824/976885
Distrib.: WENKO-Wenselaar GmbH&Co.KG
Im Hülsenfeld 10
40721 Hilden
Tel. 02103/573-0
Email: wenko@wenko.de

1.5 Emergency numbers and persons in charge:


In case of accidents or intoxication please contact your local/national toxicological centre or WENKO under the above phone number (daily 09.00-16.30 hrs).

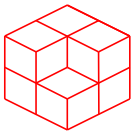
For questions on this datasheet please contact Mr. Labonde (QA), Phone: +49-201-573-155 (08.00-17.00 hrs); Email: d.labonde@wenko.de

SECTION 2: Hazards identification

2.1 Classification of the substance/mixture acc. to EC reg. 1272/2008 [CLP]: **Acute Toxic (oral) 4 (H302), Eye Damage 1 (H318), Specific target organ toxicity – single exposition; lungs (H 335)**

2.2 Labelling elements acc. to EC reg. 1272/2008

Hazard trigger : Calcium Cyanamide	Symbols	GHS05 - GHS07
		
Signalword:	DANGER	



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H&P-Phrases:

(*)H302 Harmful if swallowed. (*)H318 Causes serious eye damage. (*)H335 May cause respiratory irritation.

(*)P101 If medical advice is needed, have product container or label at hand.

(*)P102 Keep out of reach of children. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. (*)P280 Wear protective gloves/protective clothing/eye protection/face protection. (*)P301 + P312 IF SWALLOWED: Call a POISON

CENTRE/doctor if you feel unwell. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. (*)P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (*)P310 Immediately call a POISON CENTER/doctor. P312 Call a

POISON CENTRE/doctor if you feel unwell. P403 + P233 Store in a well-ventilated place.

Keep container tightly closed. P405 Store locked up. (*)P501 Dispose of contents/container to a collection point for special wastes treatment.

(*) Informations to be given on the label acc. to article 28, paragraph 3 of regulation 1272/2008/EC. If no P-phrases are marked with (*), all P-phrases have to be given on the label.

2.3 Other hazards: none

Additional labelling: None

This product does not contain any substances above 0,1% w/w, which are considered to be PBT or vPvB according to annex XIII REACH (1907/2006/EC)

SECTION 3: Composition/information on ingredients

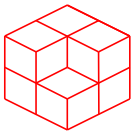
3.1 Substances: product is a mixture

3.2 Mixtures:

CAS-Nr./ EG-Nr.	REACH-Nr. / Index-Nr. in CLP Ann.VI	Name	Classification acc. to EC 1272/2008 (CLP)	Content (range) in % w/w
156-62-7/ 205-861-8	01-2119777581-29- 0000/ 615-017-00-4	Calcium Cyanamide	Acute Tox.4, H302 Eye Dam.1, H318 STOT SE3 (Inhal.), H335	90-<100

Specific concentration limits (M-values and ATE values are given with the respective substance!

For full text H-Phrases see P.16



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SECTION 4: First aid measures

4.1. Description of first aid measures

- general: -

- after inhalation: Supply lots of fresh air. Keep person calm. Give artificial respiration if needed. Contact a doctor if necessary.

- after skin contact: Wash off thoroughly and immediately with soap and water. Change contaminated or product-stained clothing. Seek medical advice if irritation occurs.

- after eye contact: Rinse thoroughly with water immediately. Remove contact lenses if possible without danger. Contact a doctor immediately.

- after swallowing: Rinse mouth with cold water. Do not induce vomiting. Contact a doctor immediately. Show original packaging or labelling.

4.2. Most important symptoms and effects, both acute and delayed:

Intoxication symptoms (nausea, vomiting, fainting etc.), severe eye irritation and irritation of the respiratory system

4.3. Indication of any immediate medical attention and special treatment needed:
symptomatic treatment

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water mist, Water spray, foam, powder

Unsuitable extinguishing media: water jet, CO₂

5.2 Special hazards arising from the substance or mixture

Dangerous combustion products: CO, CO₂, NH₃ (Ammonia), NO_x, nitrose gases

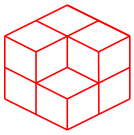
5.3 Advice for firefighters

Take care of self protection. Use a respirator if necessary. Hold back and contain extinguishing media.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 Advice for non-emergency personal:



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Wear personal protective equipment. Keep away from heat or sources of ignition. Remove sources of ignition. Take care of good ventilation. Do not breathe fumes/dust. Put dusts down with water.

protective equipment: rubber gloves

Measures to be applied in emergency situations: clean up spilled product. Put down aerosols with water. Do not breathe vapours or aerosols. Avoid open flame or sparking.

6.1.2 Advice for emergency responders: no special

6.2 Environmental precautions: Do not discharge uncontrolled into sewers or surface waters. In case of accident inform the police or fire-fighters immediately.

6.3 Methods and material for containment and cleaning up:

6.3.1 Hold back: Product is solid. Take up accordingly and dispose in accordance with section 13.

6.3.2 Cleaning procedures: clean up with warm water and a household detergent.

6.3.3 Other measures: no

6.4 Reference to other sections: PPA, see section 8; disposal, see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions to avoid fire: Product is not inflammable. Do not smoke. Keep away from sources of ignition. Take care of good ventilation.

Precaution to avoid dust or aerosols: Take care of good ventilation.

Precautions for environment protection: dispose complete emptied containers only.

Hygiene measures: wash hands after each use or each contact.

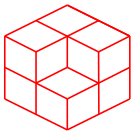
7.2 Conditions for safe storage, including any incompatibilities: Do not store at temperatures under 0°C or beyond 40°C.

Packaging materials: PE-Can

Storage rooms and containers: Storage only in original containers and out of reach of children.

Storage class (Germany): 13 Not flammable solids n.o.s.

7.3 Specific end use(s): fertilizer/composting aid



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

AGW-Values (workplace limits)

Substance name	CAS-Nr	AGW (work limit)		KZGW (short term limit)		Parameter
Calcium cyanamide	156-62-7	1 mg/m ³ E	-	4 mg/m ³ E	-	2(II), DFG, H, Y

Sources: TRGS 900

BGW-values (biological workplace limits)

Work substance	CAS	Parameter	BGW	Testing-material	Sample time	Establishing/Reason

Testing materials: B = whole blood; B_E = Erythrocyte fraction of the whole blood; P/S = Plasma/Serum; U = Urine. **Sample time:** a) no limitation; b) end of exposition or shift; c) long term exposition: at the end of shift after several preceding shifts; d) before following shift; e) after end of exposition: hours; f) after min. of 3 months of exposition; g) immediate after exposition; h) before the last shift of the working week

8.2 Exposure controls Use in well ventilated areas only. Do not breathe vapours or aerosols.

8.2.1 Engineering measures:

Substance/mixture immanent measures: Protective gloves (gloves, vinyl rubber or PVC)

Structural measures: Observe the general hygienic measures and precautions when handling chemicals.

8.2.2 Individual protection measures:

8.2.2.1 Eye/face protection: protective goggles (only for professional handlers)

8.2.2.2 Skin protection:

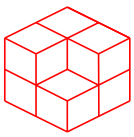
Hand protection: protective gloves (rubber, vinyl rubber, PVC) penetration time > 8 h

Other skin protection: no special required.

8.2.2.3 Respiratory protection: FFP mask, in case of dust-forming.

8.2.2.4 Thermal hazards: none

8.2.3 Environmental exposure controls: no special



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form: solid, black-grey

Odour: characteristic

Odour threshold: no data

pH-value: alkaline in water (ca. 9-11 at 10g per 100ml)

Melting point: no data

Boiling point/boiling range: no data

Flash point: no data

Flammability (solid, gas): no data

Lower/upper explosion limit: no data

Relative density (at 20°C): ca. 2,30 g/cm³

Solubility: hydrolysis in water

Partition coefficient (n-Octanol/Water): no data

Viscosity, dynamic: product is solid

9.2 Other data: -

SECTION 10: Stability and reactivity

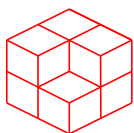
10.1 Reactivity: Not reactive under normal conditions and when handled properly.

10.2 Chemical stability: Stable under normal conditions and when handled properly.

10.3 Possibility of hazardous reaction: With strong acids/bases and oxydants.

10.4 Conditions to avoid: High temperatures.

10.5 Incompatible materials: No



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10.6 Hazardous decomposition products: Calcium hydroxide, Cyanamide, Ammonia

SECTION 11: Toxicological information

11.1 Toxicological properties

Acute Toxicity:	no	
LD ₅₀ (oral)	Rat	765 mg/kg bw
LD (dermal)	Rabbit	> 2000 mg/kg bw
Corrosion/irritation of the skin	None, resulting from the data given for the single components. The mixture was not tested for this specific hazard.	
Eye damage/eye irritation:	Causes severe damage or irritation to the eyes. The product was not explicitly tested for this hazard – the hazard was derived from the properties of the single components.	
Other irritating properties	None, resulting from the data given for the single components. The mixture was not tested for this specific hazard.	
Sensitisation	None, resulting from the data given for the single components. The mixture was not tested for this specific hazard.	
Danger of aspiration	None, resulting from the data given for the single components. The mixture was not tested for this specific hazard.	
STOT SE/RE (Specific target organ toxicity – single exposure/repeated exposure)	Is toxic to target organs (Larynx and the lungs) with a single exposure. The hazard is derived from the dangerous properties of the single components.	
CMR-properties	None, resulting from the data given for the single components. The mixture was not tested for this specific hazard.	
Other Information	No special	

ATE-values of acute toxic components:
none

SECTION 12: Ecological information

12.1 Toxicity

Acute (short-term-) Toxicity: no

Fish: LC₅₀ ca. 390 mg/l (Onkorynchus mykiss, 96h)

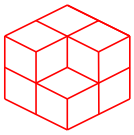
Chronical (long-term-) Toxicity: no

Fish: no data

12.2 Persistence and degradability

Biodegradability: The product is a fertilizer and works accordingly within the soil. It is readily and completely biodegradable within few weeks.

12.3 Bio-Accumulation



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Octanol/Water-partition coefficient (log Kow): no data

Bioconcentration Factor (BCF): no data

12.4 Mobility in soil: no data

12.5 Results of PBT and vPvB assessment: Product is not to be esteemed as PBT or vPvB.

12.6 Other adverse effects: no known

12.7 Other data: no special

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Disposal of product/packaging: Completely emptied containers can be disposed with plastics recycling. Product rests should be disposed at chemicals collecting points.

Waste code acc. to AVV: 02 01 08

13.1.2 Data relevant for treatment: no special

13.1.3 Data relevant for disposing by sewers: no special

13.1.4 Other advices for disposal: Dispose in accordance with local authoritys advise.

SECTION 14: Transport information

14.1. UN-Number: -

14.2. Correct UN shipping name: -

14.3. Transport hazard category: ADR: The product is no subject to this regulation.

14.4. Packaging group: -

14.5. Environmental hazards: no

14.6. Special precautions for the handler: no

14.7. IBC-Code: -

SECTION 15: Regulatory information

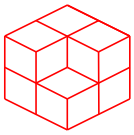
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations 1272/2008/EC

Admission/restriction on use: -

Admissions: -

Occupational restrictions: -



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Other EU-Regulation: -.

Data to be given in accordance to regulation 1999/13/EC on the limitation of emission of volatile organic components (VOC-Regulation): the VOC content is 0 %

15.2 Chemical safety assessment: No safety assessment was made for this product.

SECTION 16: Other information

Indication of changes or alternations: General revision of the MSDS

Acronyms: n.a. = not analyzed

Important literature and data sources: No special

Full text H-Statements as used in point 3.1 and 3.2 (number and wording):

H302 Harmful if swallowed

H318 Causes serious eye damage.

H335 May cause respiratory irritation

Training advice: no special

Other: The information in this data-sheet accord to our newest knowledge. This information does not promise any of the product's attributes and induces no legal claims.

We exclude any liability for damages or injuries resulting from wrong application.

We point out that everyone using this product is responsible for observing his local or national laws or authority advises himself.