

## Section 1. Identification

**Product identifier**

**Product Identity**

humizen Dual Action

**Other means of identification**

Not Applicable

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

See Technical Data Sheet.

**Details of the supplier of the safety data sheet**

**Company Name**

WestMET Group Canada Ltd.  
Suite 1270, 5555 Calgary Trail NW  
Edmonton, Alberta, Canada T6H 5P9

**Emergency**

**CHEMTREC (USA)**

(800) 424-9300

**24 hour Emergency Telephone No.**

(403) 930-1964

**Customer Service:**

(403) 930-1964

## Section 2. Hazard(s) identification

**Classification of the substance or mixture under US OSHA's Hazard Communication Standard (1910.1200) revised 2024 and Canadian Hazardous Products Regulations (SOR/2015-17) (GHS revision 7)**

Serious eye damage / eye irritation, category 2B;H320

Causes eye irritation.

**Label elements**

### Warning

H320 Causes eye irritation.

**[Prevention]**

P264 Wash thoroughly after handling.

**[Response]**

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists: Get medical advice or attention.

**[Storage]**

No GHS storage statements

**[Disposal]**

No GHS disposal statements

**Other hazards**

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

Does not contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per US or Canadian regulations.

### Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of US OSHA's Hazard Communication Standard (1910.1200) revised 2024 and Canadian Hazardous Products Regulations (SOR/2015-17) (GHS revision 7)

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
<b>Humalite</b> CAS Number: 129521-66-0 Synonyms: No available information	45 - 70	Not Classified	-----
<b>Potassium hydroxide.</b> CAS Number: 1310-58-3 Synonyms: Caustic potash	7 - 13	Acute toxicity(oral), category 4;H302 Skin corrosion/irritation category 1A;H314 Eye Irrit. 2; H319: 0,5 % ≤ C Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C Skin Irrit. 2; H315: 0,5 % ≤ C	-----

The actual concentration or concentration range is withheld as a trade secret.

\*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

### Section 4. First aid measures

#### Description of first aid measures

##### General

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

##### Inhalation

Inhalation of dust alone is unlikely to result in an emergency situation. If necessary, use adequate respiratory protection and remove victim to fresh air. Get prompt medical attention if breathing difficulty is evident.

##### Eyes

Flush eyes with large amounts of water to remove residual dust particles. Get medical attention if irritation persists.

##### Skin

First aid is usually not necessary.

##### Ingestion

First aid is usually not necessary.

#### Most important symptoms and effects, both acute and delayed

##### Overview

Effects of Acute Exposure to Product: Airborne respirable dust may cause irritation to the nose, throat and lungs. Dust particles may mechanically irritate the eyes and impair vision.

Effects of Chronic Exposure to Product: Prolonged and/or repeated exposure via inhalation may result in progressive and permanent lung disorders and damage. Dust has been related to silicosis.

Irritacy of Product: Dust causes irritation as noted above. Skin contact and ingestion are not considered hazardous.

Sensitization to Products: Negligible.

Carcinogenicity: Not considered a human carcinogen.

Teratogenicity: Not established.

Reproductive Toxicity: Not established

Mutagenicity: Not established.

Synergistic Products: None established.

Crystalline Silica: < 0.6%

No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details.

**Eyes**

Causes eye irritation.

## Section 5. Fire-fighting measures

**Extinguishing media**

Any media suitable for the surrounding fire.

**Special hazards arising from the substance or mixture**

Hazardous decomposition: No hazardous decomposition data available.

**Advice for fire-fighters**

Use protective clothing and breathing equipment appropriate for the surrounding fire.

**ERG Guide No.** 154

## Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).

**Environmental precautions**

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**Methods and material for containment and cleaning up**

Leak and Spill Procedure: Take steps to control product discharge to the environment. Notify appropriate authorities immediately and arrange for recovery of spilled material.

Waste Disposal: Ensure waste material is disposed of in accordance with applicable environmental regulations, including local requirements.

## Section 7. Handling and storage

**Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.

Minimize generation of dust during handling. Provide adequate ventilation. Be aware of dust explosion hazard.

See section 2 for further details. - [Prevention]

**Conditions for safe storage, including any incompatibilities**

Incompatible materials: No data available.

Store in dry place. Keep product containers closed or covered where possible.

See section 2 for further details. - [Storage]

**Specific end use(s)**

No data available.

**Section 8. Exposure controls / personal protection**

**Control parameters**

**Exposure Limits**

CAS No.	Ingredient	Source	Value
1310-58-3	Potassium hydroxide.	ACGIH	C 2 mg/m <sup>3</sup>
		OSHA	No Established Limit
		NIOSH	C 2 mg/m <sup>3</sup>
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
Yukon	No Established Limit		
129521-66-0	Humalite	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit

	Nova Scotia	No Established Limit
	Northwest Territories	No Established Limit
	Nunavut	No Established Limit
	Ontario	No Established Limit
	Prince Edward Island	No Established Limit
	Quebec	No Established Limit
	Saskatchewan	No Established Limit
	Yukon	No Established Limit

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m<sup>3</sup> (50 mppcf\*) TWA, ACGIH 10 mg/m<sup>3</sup>.

### Exposure controls

<b>Respiratory</b>	An approved (NIOSH/MSHA) respirator equipped with a dust filter, approved for silica bearing dust, should be worn when exposed to the product under dust generating conditions.
<b>Eyes</b>	Protective safety glasses recommended
<b>Skin</b>	Wear overalls to keep skin contact to a minimum.
<b>Engineering Controls</b>	Local exhaust ventilation and confinement of handling systems may be required to control exposure to dust.
<b>Other Work Practices</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

## Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical State</b>	Solid
<b>Color</b>	Dark brown / black
<b>Odor</b>	Odorless
<b>Melting point / freezing point</b>	Not Available
<b>Initial boiling point and boiling range</b>	Does not form liquid
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Available <b>Upper Explosive Limit:</b> Not Available
<b>Flash Point</b>	Not Available
<b>Auto-ignition temperature</b>	Not Available
<b>Decomposition temperature</b>	Not Available
<b>pH</b>	7.5 - 9
<b>Viscosity (cSt)</b>	Not Available
<b>Solubility in Water</b>	Not Available
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Available
<b>Vapor pressure (Pa)</b>	Negligible

<b>Relative Density</b>	Not Available
<b>Vapor Density</b>	Not Available
<b>Evaporation rate (Ether = 1)</b>	Not Available
<b>Moisture Variation</b>	The product may lose (or gain) moisture over time, dependent on humidity and temperature conditions and on exposure of product surfaces to the environment.
<b>% Volatile</b>	(non-water): 0%
<b>Coefficient of Oil/Water Distribution</b>	Not available - product may contain up to 10% moisture
<b>Other information</b>	
No other relevant information.	

## Section 10. Stability and reactivity

**Reactivity**

Hazardous Polymerization will not occur.

**Chemical stability**

Stable under normal circumstances.

**Possibility of hazardous reactions**

No data available.

**Conditions to avoid**

No data available.

**Incompatible materials**

No data available.

**Hazardous decomposition products**

No hazardous decomposition data available.

## Section 11. Toxicological information

**Acute toxicity**

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Humalite - (129521-66-0)	No data available.	No data available.	No data available.	No data available.	No data available.
Potassium hydroxide. - (1310-58-3)	388.00, Rat - Category: 4	No data available.	No data available.	No data available.	No data available.

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
1310-58-3	Potassium hydroxide.	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
129521-66-0	Humalite	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

		ACGIH	No Established Limit
Classification	Category	Hazard Description	
Acute toxicity (oral)	---	Not Applicable	
Acute toxicity (dermal)	---	Not Applicable	
Acute toxicity (inhalation)	---	Not Applicable	
Skin corrosion/irritation	---	Not Applicable	
Serious eye damage/irritation	2B	Causes eye irritation.	
Respiratory sensitization	---	Not Applicable	
Skin sensitization	---	Not Applicable	
Germ cell mutagenicity	---	Not Applicable	
Carcinogenicity	---	Not Applicable	
Reproductive toxicity	---	Not Applicable	
STOT-single exposure	---	Not Applicable	
STOT-repeated exposure	---	Not Applicable	
Aspiration hazard	---	Not Applicable	

**Possible routes of entry:** No available information

**Symptoms and effects, both acute and delayed:**

Effects of Acute Exposure to Product: Airborne respirable dust may cause irritation to the nose, throat and lungs. Dust particles may mechanically irritate the eyes and impair vision.

Effects of Chronic Exposure to Product: Prolonged and/or repeated exposure via inhalation may result in progressive and permanent lung disorders and damage. Dust has been related to silicosis.

Irritancy of Product: Dust causes irritation as noted above. Skin contact and ingestion are not considered hazardous.

Sensitization to Products: Negligible.

Carcinogenicity: Not considered a human carcinogen.

Teratogenicity: Not established.

Reproductive Toxicity: Not established

Mutagenicity: Not established.

Synergistic Products: None established.

Crystalline Silica: < 0.6%

No chronic toxicity or long term toxicity information available. Treat symptomatically.

**Eyes** Causes eye irritation.

## Section 12. Ecological information

**Toxicity**

No additional information provided for this product. See Section 3 for chemical specific data.

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Humalite - (129521-66-0)	No data available.	No data available.	No data available.
Potassium hydroxide. - (1310-58-3)	No data available.	No data available.	No data available.

**Persistence and degradability**

There is no data available on the preparation itself.

**Bioaccumulative potential**

Not Available

**Mobility in soil**

No data available.

**Results of PBT and vPvB assessment**

This product contains no PBT/vPvB/vPvM chemicals.

**Other adverse effects**

No data available.

## Section 13. Disposal considerations

**Waste treatment methods**

Waste should not be released to sewers. Observe all federal, state, and local regulations when disposing of this substance.

## Section 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>TDG (Domestic Surface Transportation)</b>
<b>UN number</b>	Not Regulated	Not Regulated
<b>UN proper shipping name</b>	Not Regulated	Not Regulated
<b>Transport hazard class(es)</b>	<b>Class:</b> Not Applicable	<b>Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable
<b>Packing group</b>	Not Applicable	Not Applicable

	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>UN number</b>	Not Regulated	Not Regulated
<b>UN proper shipping name</b>	Not Regulated	Not Regulated
<b>Transport hazard class(es)</b>	<b>Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable
<b>Packing group</b>	Not Applicable	Not Applicable

**Environmental hazards**

IMDG Marine Pollutant: No;

**Special precautions for user**

Not Applicable

**Section 15. Regulatory information**

**Regulatory Overview**    The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

This product has been classified in accordance with US OSHA's Hazard Communication Standard (1910.1200) revised 2024 and Canadian Hazardous Products Regulations (SOR/2015-17 amended 2022-12-15) (GHS revision 7) and the SDS contains all of the information required by those regulations.

**Toxic Substance Control Act (TSCA)**

Potassium hydroxide.

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Canadian Domestic Substance List (DSL):**

Potassium hydroxide.

**Canadian Non-Domestic Substance List (NDSL):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

**Revision Date** 05/22/2025

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

**Disclaimer:**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

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