

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 07.12.2019

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Ultimate Grey

SECTION 1: Identification

Product identifier

Product name: Ultimate Grey

Product code: 32327CAN, 32927CAN



Recommended use of the product and restriction on use

Relevant identified uses: Not determined or not applicable.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

North America

J-B Weld Company, LLC

400 CMH Road

Sulphur Springs, TX 75482

903-885-7696

info@jbweld.com

Emergency telephone number:

North America

InfoTrac

352-323-3500

SECTION 2: Hazard identification

GHS classification:

Skin sensitization, category 1

Skin irritation, category 2

Carcinogenicity, category 1B

Eye irritation, category 2A

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H317 May cause an allergic skin reaction.

H315 Causes skin irritation.

H350 May cause cancer.

H319 Causes serious eye irritation.

Precautionary statements:

P201 Obtain special instructions before use.

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P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin and eyes thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P321 Specific treatment (see supplemental first aid instructions on this label).
P302+P352 IF ON SKIN: Wash with plenty of water/soap.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists get medical advice/attention
P308+P313 If exposed or concerned: Get medical advice/attention
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 1333-86-4	Bounded Carbon Black	0.1-1
CAS number: 13463-67-7	Titanium Dioxide	1-5
CAS number: 1317-65-3	Limestone	10-30
CAS number: 7631-86-9	Silicon Dioxide	3-7
CAS number: 919-30-2	3-aminopropyltriethoxysilane	0.1-1
CAS number: 64742-46-7	Distillates (petroleum), hydrotreated medium	5-10
CAS number: 17689-77-9	Triacetoxyethylsilane	1-5
CAS number: 22984-54-9	Butan-2-one O,O',O''-(methylsilyldiyl)trioxime	1-5
CAS number: 96-29-7	Methyl ethyl ketoxime	1-5
CAS number: 2224-33-1	Butan-2-one O,O',O''-(vinylsilyldiyl)trioxime	1-5

Additional Information:

Although this product contains Titanium Dioxide, the Titanium Dioxide is bound and the particles are not of respirable size.

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Carbon black is classified as a carcinogen only in its respirable form. Since the carbon black in this product is not respirable, the product itself is not classified as a carcinogen in the form presented. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with the Canadian Hazardous Products Regulation and WHMIS 2015.

SECTION 4: First-aid measures

Description of first-aid measures

General notes:

Not determined or not available.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

After skin contact:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention
Take off all contaminated clothing
Gently blot or brush away excess product
Wash with plenty of lukewarm, gently flowing water
Get medical advice if skin irritation occurs or you feel unwell

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention
Avoid direct contact and wear chemical protective gloves, if necessary
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
Remove contact lenses, if present and easy to do so
Continue rinsing until medical aid is available
Immediately call a POISON CONTROL CENTER or seek medical attention
Continue rinsing for 15-20 minutes
Get medical advice if eye irritation persists

After ingestion:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not available.

Delayed symptoms and effects:

Not determined or not available.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not available.

Notes for the doctor:

Not determined or not available.

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SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Not determined or not applicable.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)

Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

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Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Canada	Limestone	1317-65-3	Alberta TWA 8-hr: 10 mg/m ³
	Limestone	1317-65-3	British Columbia TWA 8-hr: 10 mg/m ³ (Total dust); 3 mg/m ³ (Respirable fraction)
	Limestone	1317-65-3	British Columbia STEL 15-min: 20 mg/m ³
	Limestone	1317-65-3	Quebec TWA 8-hr: 10 mg/m ³
	Bounded Carbon Black	1333-86-4	Alberta: TWA 3.5 mg/m ³
	Limestone	1317-65-3	Saskatchewan TWA 8-hr: 10 mg/m ³ ; STEL 15-min: 20 mg/m ³
	Bounded Carbon Black	1333-86-4	British Columbia: TWA 3.0 mg/m ³
	Bounded Carbon Black	1333-86-4	Manitoba: TWA 3.0 mg/m ³
	Bounded Carbon Black	1333-86-4	Ontario: TWA 3.0 mg/m ³ (Source: ACGIH)
	Bounded Carbon Black	1333-86-4	Quebec: TWA 3.5 mg/m ³
	Bounded Carbon Black	1333-86-4	Saskatchewan: 3.5 mg/m ³ (8 hour); 7.0 mg/m ³ (15 min)
	Silicon Dioxide	7631-86-9	British Columbia OELs - 8-Hour TWA Exposure Value: 4 mg/m ³ (Silica, amorphous, precipitated and gel, Total)
	Silicon Dioxide	7631-86-9	British Columbia OELs - 8-Hour TWA Exposure Value: 1.5 mg/m ³ (Silica, amorphous, precipitated and gel, Respirable)
	Silicon Dioxide	7631-86-9	Quebec OELs - 8-Hour TWA Exposure Value: 6 mg/m ³ (Respirable dust)
	Titanium Dioxide	13463-67-7	Alberta OEL: TWA 10 mg/m ³ 8-hr
	Titanium Dioxide	13463-67-7	British Columbia OEL: TWA 10 mg/m ³ (Total dust) 8-hr
	Titanium Dioxide	13463-67-7	British Columbia OEL: TWA 3.0 mg/m ³ (Respirable fraction) 8-hr
	Titanium Dioxide	13463-67-7	Manitoba OEL: TLV-TWA 10 mg/m ³ 8-hr
	Titanium Dioxide	13463-67-7	Ontario OEL: TWA 10 mg/m ³ 8-hr
	Titanium Dioxide	13463-67-7	Quebec OEL: TWA 10 mg/m ³ 8-hr
	Titanium Dioxide	13463-67-7	Saskatchewan OEL: TWA 10 mg/m ³ 8-hr
	Titanium Dioxide	13463-67-7	Saskatchewan OEL: TWA 20 mg/m ³ 15-min
	Distillates (petroleum), hydrotreated medium	64742-46-7	Alberta OELs - 8-Hour TWA Exposure Limit: 5 mg/m ³ (Oil mist, mineral)
	Distillates (petroleum), hydrotreated medium	64742-46-7	Alberta OELs - 15-minute STEL: 10 mg/m ³ (Oil mist, mineral)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Distillates (petroleum), hydrotreated medium	64742-46-7	Alberta OELs - 8-Hour TWA Exposure Limit: 400 ppm (1590 mg/m ³) [Naphtha (Rubber solvent)]
	Distillates (petroleum), hydrotreated medium	64742-46-7	British Columbia OELs - 8-Hour TWA Exposure Value: 1 mg/m ³ (Oil mist - Mineral, severely refined)
	Distillates (petroleum), hydrotreated medium	64742-46-7	Manitoba OELs - 8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction)
	Distillates (petroleum), hydrotreated medium	64742-46-7	Ontario OELs - 8-Hour TWA Exposure Value: 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction)
	Distillates (petroleum), hydrotreated medium	64742-46-7	Quebec OELs - 8-Hour TWA Exposure Value: 400 ppm (1590 mg/m ³)
	Distillates (petroleum), hydrotreated medium	64742-46-7	Quebec OELs - 8-Hour TWA Exposure Value: 5 mg/m ³
	Distillates (petroleum), hydrotreated medium	64742-46-7	Quebec OELs - 15-minute STEL: 10 mg/m ³
	Distillates (petroleum), hydrotreated medium	64742-46-7	Saskatchewan OELs - 8 Hour Average Contamination Limit: 5 mg/m ³ (Oil mist, mineral)
	Distillates (petroleum), hydrotreated medium	64742-46-7	Saskatchewan OELs - 15 Minute Average Contamination Limit: 10 mg/m ³ (Oil mist, mineral)
	Distillates (petroleum), hydrotreated medium	64742-46-7	Saskatchewan OELs - 8 Hour Average Contamination Limit: 400 ppm [Rubber solvent (Naphtha)]
	Distillates (petroleum), hydrotreated medium	64742-46-7	Saskatchewan OELs - 15 Minute Average Contamination Limit: 500 ppm [Rubber solvent (Naphtha)]
	Distillates (petroleum), hydrotreated medium	64742-46-7	Saskatchewan OELs - 15 Minute Average Contamination Limit: 500 ppm [Rubber solvent (Naphtha)]

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

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Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance (physical state, color):	Grey paste
Odor:	Not determined or not available.
Odor threshold:	Not determined or not available.
pH-value:	10.1
Melting/Freezing point:	Not determined or not available.
Boiling point/range:	Not determined or not available.
Flash point:	100°C (212°F)
Evaporation rate:	Not determined or not available.
Flammability (solid, gaseous):	Not determined or not available.
Explosion limit upper:	Not determined or not available.
Explosion limit lower:	Not determined or not available.
Vapor pressure:	Not determined or not available.
Vapor density:	Not determined or not available.
Density:	1.427 g/cm ³
Relative density:	Not determined or not available.
Solubilities:	Not determined or not available.
Partition coefficient (n-octanol/water):	Not determined or not available.
Auto/Self-ignition temperature:	Not determined or not available.
Decomposition temperature:	Not determined or not available.
Dynamic viscosity:	Not determined or not available.
Kinematic viscosity:	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

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Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
3-aminopropyltriethoxysilane	oral	LD50 Rat: 1780 mg/kg
Methyl ethyl ketoxime	oral	LD50 Rat: 2326 mg/kg
	dermal	LD50 Rabbit: > 1000 mg/kg

Skin corrosion/irritation**Assessment:**

Causes skin irritation

Product data:

No data available.

Substance data:

Name	Result
Triacetoxyethylsilane	Causes severe skin burns and eye damage.
Butan-2-one O,O',O''-(vinylsilyldiyl)trioxime	Causes serious eye damage.
3-aminopropyltriethoxysilane	Causes severe skin burns and eye damage.
Butan-2-one O,O',O''-(methylsilyldiyl)trioxime	Causes skin irritation

Serious eye damage/irritation**Assessment:**

Causes serious eye irritation

Product data:

No data available.

Substance data:

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Name	Result
Butan-2-one O,O',O''-(vinylsilyldiyl)trioxime	Causes skin irritation
Methyl ethyl ketoxime	Causes serious eye damage.
Butan-2-one O,O',O''-(methylsilyldiyl)trioxime	Causes serious eye irritation

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction

Product data:

No data available.

Substance data:

Name	Result
Butan-2-one O,O',O''-(methylsilyldiyl)trioxime	May cause an allergic skin reaction
Methyl ethyl ketoxime	May cause an allergic skin reaction.
Butan-2-one O,O',O''-(vinylsilyldiyl)trioxime	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

May cause cancer

Product data: No data available.

Substance data:

Name	Species	Result
Titanium Dioxide	Not applicable.	Airborne, unbound particles of respirable size are known to cause cancer.
Bounded Carbon Black	Not applicable.	The carcinogenic classification only applies to airborne, unbound particles of respirable size.
Methyl ethyl ketoxime	Not applicable	May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Silicon Dioxide	Group 3 - Not classifiable as to its carcinogenicity to humans
Titanium Dioxide	Group 2B
Bounded Carbon Black	Group 2B - Possibly carcinogenic to humans

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

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Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Methyl ethyl ketoxime	LC50 - <i>Oryzias latipes</i> - > 100 mg/L - 96 h

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Methyl ethyl ketoxime	NOEC - <i>Oryzias latipes</i> - ~ 50 mg/L - 14 d

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Methyl ethyl ketoxime	Inherent degradability in water and soil.

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Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

Canadian Transportation of Dangerous Goods (TDG)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

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Canada regulations

Domestic substances list (DSL):

64742-46-7	Distillates (petroleum), hydrotreated medium	Listed
17689-77-9	Triacetoxyethylsilane	Listed
919-30-2	3-aminopropyltriethoxysilane	Listed
22984-54-9	Butan-2-one O,O',O''-(methylsilyldiylidene)trioxime	Listed
96-29-7	Methyl ethyl ketoxime	Listed
2224-33-1	Butan-2-one O,O',O''-(vinylsilyldiylidene)trioxime	Listed
7631-86-9	Silicon Dioxide	Listed
1317-65-3	Limestone	Not Listed
13463-67-7	Titanium Dioxide	Listed
1333-86-4	Bounded Carbon Black	Listed

Non-domestic substances list (NDSL):

1317-65-3	Limestone	Listed
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SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with the Canadian Hazardous Products Regulations and WHMIS 2015. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet