SAFETY DATA SHEET



1. Identification

Product identifier GUNTECH 60 AR

Other means of identification

Brand Code 194D

Recommended use For Industrial Use Only

Recommended restrictions Avoid dry cutting, blasting, or dust generation.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name HarbisonWalker International

Address 1305 Cherrington Parkway, Suite 100

Moon Township Pennsylvania 15108 US

Telephone General Phone: 412-375-6600

Websitewww.thinkHWl.comEmergency phone numberNot available.SupplierNot available.

2. Hazard identification

Physical hazards Not classified.

Health hazards Carcinogenicity Category 1A

Specific target organ toxicity, repeated Category 1

exposure

Environmental hazards Not classified.

Label elements



Signal word Danger

Hazard statement May cause cancer. Causes damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective

clothing/eye protection/face protection.

Response IF exposed or concerned: Get medical advice/attention.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards None known.

Supplemental informationUsers should be informed of the potential presence of respirable dust and respirable crystalline

silica as well as their potential hazards. Overexposure to the respirable dust of crystalline silica (quartz or cristobalite, less than or equal to 5 microns in size) may lead to silicosis in humans, which is a progressive and irreversible lung disease. Appropriate training in the proper use and

handling of this material should be provided as required under applicable regulations.

3. Composition/information on ingredients

Mixtures

Material name: GUNTECH 60 AR SDS CANADA

Chemical name	Common name and synonyms	CAS number	%
Mullite		1302-93-8	50 - 70
SILICA, AMORPHOUS, FUMED	Fumed Silica Silica, crystalline free	7631-86-9	10 - 25
Cement, Alumina, Chemicals		65997-16-2	2.5 - 10
Kyanite		1302-76-7	2.5 - 10
SILICA, AMORPHOUS, FUMED		69012-64-2	2.5 - 10
SILICA, CRYSTALLINE, QUARTZ		14808-60-7	2.5 - 10
SILICON CARBIDE		409-21-2	2.5 - 10
Titanium Dioxide		13463-67-7	1 - 2.5
Bentonite		1302-78-9	0.1 - 2.5
SILICA, CRYSTALLINE, CRISTOBALITE		14464-46-1	< 0.5
Other components below reportab	e levels		2.5 - 10

Crystalline silica may be present at low concentrations; most of this is encapsulated in the coarse aggregate or as part of the clays or sands.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Prolonged exposure may cause chronic effects.

Rinse with water. Get medical attention if irritation develops and persists. Eye contact

Rinse mouth. Get medical attention if symptoms occur. Ingestion

Most important

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special

treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Specific hazards arising from the chemical

Special protective equipment

and precautions for firefighters

Use fire-extinguishing media appropriate for surrounding materials.

Not available.

Not applicable.

Not available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Material can be slippery when wet. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.

Stop the flow of material, if this is without risk. Following product recovery, flush area with water. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Avoid discharge into drains, water courses or onto the ground. **Environmental precautions**

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Material name: GUNTECH 60 AR SDS CANADA

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values Components	Туре	Value	Form
Kyanite (CAS 1302-76-7)	TWA	1 mg/m3	Respirable fraction.
Mullite (CAS 1302-93-8)	TWA	1 mg/m3	Respirable fraction.
SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable fraction.
SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
SILICON CARBIDE (CAS 409-21-2)	TWA	0.1 fibers/cm3	Fiber.
		3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Fitanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
Canada. Alberta OELs (Occupational H Components	lealth & Safety Code, Scho Type	edule 1, Table 2) Value	Form
SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable.
		0.025 mg/m3	Respirable particles.
SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable particles.
SILICON CARBIDE (CAS 409-21-2)	TWA	0.1 fibers/cm3	Fiber.
		3 mg/m3	Respirable particles.
		3 mg/ms	recopilable particles.
		10 mg/m3	Total particulate.
	TWA	_	
13463-67-7) Canada. British Columbia OELs. (Occu	pational Exposure Limits	10 mg/m3 10 mg/m3	Total particulate
13463-67-7) Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended)	pational Exposure Limits	10 mg/m3 10 mg/m3	Total particulate.
13463-67-7) Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components	pational Exposure Limits	10 mg/m3 10 mg/m3 for Chemical Substances, Oct	Total particulate.
13463-67-7) Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7)	pational Exposure Limits Type	10 mg/m3 10 mg/m3 for Chemical Substances, Occ Value	Total particulate. cupational Health and Form
13463-67-7) Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7) Mullite (CAS 1302-93-8) SILICA, AMORPHOUS,	rpational Exposure Limits Type TWA	10 mg/m3 10 mg/m3 for Chemical Substances, Occ Value 1 mg/m3	Total particulate. cupational Health and Form Respirable.
13463-67-7) Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7) Mullite (CAS 1302-93-8) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, AMORPHOUS,	Type TWA TWA	10 mg/m3 10 mg/m3 for Chemical Substances, Occ Value 1 mg/m3 1 mg/m3	Total particulate. cupational Health and Form Respirable. Respirable.
13463-67-7) Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7) Mullite (CAS 1302-93-8) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, AMORPHOUS,	Type TWA TWA TWA	10 mg/m3 10 mg/m3 for Chemical Substances, Occ Value 1 mg/m3 1 mg/m3 4 mg/m3	Total particulate. cupational Health and Form Respirable. Respirable. Total
Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7) Mullite (CAS 1302-93-8) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, AMORPHOUS, FUMED (CAS 69012-64-2) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9)	Type TWA TWA TWA TWA TWA TWA TWA	10 mg/m3 10 mg/m3 10 mg/m3 for Chemical Substances, Occ Value 1 mg/m3 1 mg/m3 4 mg/m3 4 mg/m3 1.5 mg/m3 1.5 mg/m3	Total particulate. cupational Health and Form Respirable. Respirable. Total Total fume. Respirable fume. Respirable.
13463-67-7) Canada. British Columbia OELs. (Occusafety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7) Mullite (CAS 1302-93-8) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, AMORPHOUS, FUMED (CAS 69012-64-2) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, CRYSTALLINE, CRISTOBALITE (CAS	Type TWA TWA TWA TWA TWA TWA	10 mg/m3 10 mg/m3 for Chemical Substances, Occ Value 1 mg/m3 1 mg/m3 4 mg/m3 4 mg/m3 1.5 mg/m3	Total particulate. cupational Health and Form Respirable. Respirable. Total Total fume. Respirable fume.
13463-67-7) Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7) Mullite (CAS 1302-93-8) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, AMORPHOUS, FUMED (CAS 69012-64-2) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1) SILICA, CRYSTALLINE,	Type TWA TWA TWA TWA TWA TWA TWA	10 mg/m3 10 mg/m3 10 mg/m3 for Chemical Substances, Occ Value 1 mg/m3 1 mg/m3 4 mg/m3 4 mg/m3 1.5 mg/m3 1.5 mg/m3	Total particulate. cupational Health and Form Respirable. Respirable. Total Total fume. Respirable fume. Respirable.
Canada. British Columbia OELs. (Occusafety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7) Mullite (CAS 1302-93-8) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, AMORPHOUS, FUMED (CAS 69012-64-2) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, CAYSTALLINE, CRISTOBALITE (CAS 14464-46-1) SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) SILICON CARBIDE (CAS	Type TWA TWA TWA TWA TWA TWA TWA TWA TWA	10 mg/m3 10 mg/m3 10 mg/m3 for Chemical Substances, Occ Value 1 mg/m3 1 mg/m3 4 mg/m3 4 mg/m3 1.5 mg/m3 1.5 mg/m3 0.025 mg/m3	Total particulate. cupational Health and Form Respirable. Respirable. Total Total fume. Respirable fume. Respirable. Respirable fraction.
Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7) Mullite (CAS 1302-93-8) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, AMORPHOUS, FUMED (CAS 69012-64-2) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, CAS 7631-86-9) SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1) SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) SILICON CARBIDE (CAS	Type TWA	10 mg/m3 10 mg/m3 10 mg/m3 for Chemical Substances, Oct Value 1 mg/m3 1 mg/m3 4 mg/m3 4 mg/m3 1.5 mg/m3 1.5 mg/m3 0.025 mg/m3	Total particulate. cupational Health and Form Respirable. Respirable. Total Total fume. Respirable fume. Respirable. Respirable fraction. Respirable fraction.
Titanium Dioxide (CAS 13463-67-7) Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7) Mullite (CAS 1302-93-8) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, AMORPHOUS, FUMED (CAS 69012-64-2) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, CAS 7631-86-9) SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1) SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) SILICON CARBIDE (CAS 409-21-2)	Type TWA	10 mg/m3 10 mg/m3 10 mg/m3 for Chemical Substances, Oct Value 1 mg/m3 1 mg/m3 4 mg/m3 4 mg/m3 1.5 mg/m3 1.5 mg/m3 0.025 mg/m3 0.025 mg/m3 0.1 fibers/cm3	Total particulate. cupational Health and Form Respirable. Respirable. Total Total fume. Respirable fume. Respirable fraction. Respirable fraction.
Canada. British Columbia OELs. (Occu Safety Regulation 296/97, as amended) Components Kyanite (CAS 1302-76-7) Mullite (CAS 1302-93-8) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, AMORPHOUS, FUMED (CAS 69012-64-2) SILICA, AMORPHOUS, FUMED (CAS 7631-86-9) SILICA, CAS 7631-86-9) SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1) SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) SILICON CARBIDE (CAS	Type TWA	10 mg/m3 10 mg/m3 10 mg/m3 for Chemical Substances, Occ Value 1 mg/m3 1 mg/m3 4 mg/m3 4 mg/m3 1.5 mg/m3 1.5 mg/m3 0.025 mg/m3 0.025 mg/m3 0.1 fibers/cm3 3 mg/m3	Total particulate. cupational Health and Form Respirable. Respirable. Total Total fume. Respirable fume. Respirable fraction. Respirable fraction. Fiber. Respirable.

Material name: GUNTECH 60 AR 194D Version #: 01 Issue date: 05-14-2020

Components	g. 217/2006, The Workplace Safety Type	Value	Form	
Kyanite (CAS 1302-76-7)	TWA	1 mg/m3	Respirable fraction.	
Mullite (CAS 1302-93-8)	TWA	1 mg/m3	Respirable fraction.	
SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable fraction.	
SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.	
SILICON CARBIDE (CAS 409-21-2)	TWA	0.1 fibers/cm3	Fiber.	
		3 mg/m3	Respirable fraction.	
		10 mg/m3	Inhalable fraction.	
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m3		
Canada. Ontario OELs. (Con Components	trol of Exposure to Biological or Cl Type	nemical Agents) Value	Form	
Kyanite (CAS 1302-76-7)	TWA	1 mg/m3	Respirable fraction.	
Mullite (CAS 1302-70-7)	TWA	1 mg/m3	Respirable fraction.	
SILICA, AMORPHOUS,	TWA	2 mg/m3	Respirable fraction.	
FUMED (CAS 69012-64-2) SILICA, CRYSTALLINE,	TWA	-	·	
CRISTOBALITE (CAS 14464-46-1)	TWA	0.05 mg/m3	Respirable fraction.	
SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable fraction.	
SILICON CARBIDE (CAS 409-21-2)	TWA	0.1 fibers/ml	Respirable.	
		3 mg/m3	Respirable fraction.	
		10 mg/m3	Inhalable fraction.	
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m3		
Canada. Quebec OELs. (Min Components	istry of Labor - Regulation respecti Type	ng occupational health and sa Value	fety) Form	
SILICA, AMORPHOUS, FUMED (CAS 7631-86-9)	TWA	6 mg/m3	Respirable dust.	
SILICA, AMORPHOUS, FUMED (CAS 69012-64-2)	TWA	2 mg/m3	Respirable dust and/or fume.	
SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1)	TWA	0.05 mg/m3	Respirable dust.	
SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable dust.	
SILICON CARBIDE (CAS 409-21-2)	TWA	10 mg/m3	Total dust.	
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Total dust.	
ogical limit values	No biological exposure limits noted to	for the ingredient(s).		
osure guidelines	should be monitored and controlled.	tional exposure to nuisance dust (total and respirable) and respirable crystalline silica be monitored and controlled. Occupational exposure to nuisance dust (total and respirabl pirable crystalline silica should be monitored and controlled.		
ropriate engineering trols	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.			
•	such as personal protective equipm			
Eye/face protection	If contact is likely, safety glasses wit	n side shields are recommended	l.	

Skin protection

Hand protection Wear appropriate chemical resistant gloves.Other Use of an impervious apron is recommended.

exceeding the exposure limits.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.









General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Solid.
Form Solid.

Color Not available.

Odor Not available.

Odor threshold Not available.

PH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling Not available.

range

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

rialililiability lillit - lowe

Not available.

(%)

Flammability limit - upper

Explosive limit - lower (%)

(%)

Not available.

(%)

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive. **Oxidizing properties** Not oxidizing.

10. Stability and reactivity

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Material name: GUNTECH 60 AR

SDS CANADA

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Conditions to avoid

Contact with incompatible materials.

Incompatible materials

Chlorine. Fluorine.

Incompatibility is based strictly upon potential theoretical reactions between chemicals and may

not be specific to industrial application exposure.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

No adverse effects due to skin contact are expected. Skin contact Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not known.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation. Serious eye damage/eye

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

SILICA, CRYSTALLINE, CRISTOBALITE (CAS Irritant

14464-46-1)

SILICON CARBIDE (CAS 409-21-2) Irritant Titanium Dioxide (CAS 13463-67-7) Irritant

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica

> inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003. SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory

occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and

A2 Suspected human carcinogen.

A2 Suspected human carcinogen.

respirable crystalline silica should be monitored and controlled.

ACGIH Carcinogens

Kyanite (CAS 1302-76-7) A4 Not classifiable as a human carcinogen. Mullite (CAS 1302-93-8) A4 Not classifiable as a human carcinogen.

SILICA, CRYSTALLINE, CRISTOBALITE (CAS

14464-46-1)

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)

SILICON CARBIDE (CAS 409-21-2)

A2 Suspected human carcinogen. Titanium Dioxide (CAS 13463-67-7) A4 Not classifiable as a human carcinogen.

Canada - Alberta OELs: Carcinogen category

SILICA, CRYSTALLINE, CRISTOBALITE (CAS

Suspected human carcinogen.

14464-46-1)

Material name: GUNTECH 60 AR SDS CANADA SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)
SILICON CARBIDE (CAS 409-21-2)
Suspected human carcinogen.
Suspected human carcinogen.

Canada - Manitoba OELs: carcinogenicity

Kyanite (CAS 1302-76-7)

Mullite (CAS 1302-93-8)

Not classifiable as a human carcinogen.

Not classifiable as a human carcinogen.

SILICA, CRYSTALLINE, CRISTOBALITE (CAS Suspected human carcinogen.

14464-46-1)

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) Suspected human carcinogen. SILICON CARBIDE (CAS 409-21-2) Suspected human carcinogen.

Titanium Dioxide (CAS 13463-67-7)

Not classifiable as a human carcinogen.

Canada - Quebec OELs: Carcinogen category

SILICA, CRYSTALLINE, CRISTOBALITE (CAS Detected carcinogenic effect in animals.

14464-46-1)

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) Suspected carcinogenic effect in humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

SILICA, AMORPHOUS, FUMED (CAS 69012-64-2)
3 Not classifiable as to carcinogenicity to humans.
3 Not classifiable as to carcinogenicity to humans.
3 Not classifiable as to carcinogenicity to humans.

SILICA, CRYSTALLINE, CRISTOBALITE (CAS 1 Carcinogenic to humans.

14464-46-1)

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) 1 Carcinogenic to humans.

SILICON CARBIDE (CAS 409-21-2) 2A Probably carcinogenic to humans. Titanium Dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens

SILICA, CRYSTALLINE, CRISTOBALITE (CAS Known To Be Human Carcinogen.

14464-46-1)

Reasonably Anticipated to be a Human Carcinogen.

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) Known To Be Human Carcinogen.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Developmental effects

SILICA, CRYSTALLINE, QUARTZ 0

Developmental effects - EU categorySILICA, CRYSTALLINE, QUARTZ 0

Embryotoxicity

SILICA, CRYSTALLINE, QUARTZ 0

Reproductivity

SILICA, CRYSTALLINE, QUARTZ 0

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Not an aspiration hazard.

Chronic effects Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be

harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructionsThis product, in its present state, when discarded or disposed of, is not a hazardous waste

according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria

for hazardous waste.

Hazardous waste codeSince this product is used in several industries, no Waste Code can be provided by the supplier.

The Waste Code should be determined in arrangement with your waste disposal partner or the

responsible authority.

Material name: GUNTECH 60 AR SDS CANADA

Waste from residues / unused

products

Not available.

Contaminated packaging

Not available.

14. Transport information

TDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to

Not applicable.

Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory information

Canadian regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes

country(s).

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing

Toxic Substances Control Act (TSCA) Inventory

Material name: GUNTECH 60 AR SDS CANADA

United States & Puerto Rico

No

16. Other information

05-14-2020 Issue date

Version # 01

Disclaimer

This information is based on our present knowledge on creation date. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid

contractual relationship.

Material name: GUNTECH 60 AR SDS CANADA 9/9