SAFETY DATA SHEET

A-05E

Section 1. Identification

GHS product identifier	: Plugs and cones, Mounted points, Dressing stones, Bench grinding wheels
Product code	: 12-C (101,111,121,401,421,301,302,311,321,201,202,211,221)
	12-D (002,012,017,022,032,037,057,077,092,102,117,122,232, 242,272,562,572,592,652,677,712,722,732,752,782,797,807,822,842) 12-D (001,011,016,021,031,036,056,076,091,101,116,121,231,241, 261,271,561,571,591,651,676,711,721,731,751,781,796,806,821,841) 12-D (003,013,018,023,033,038,058,078,118,123,243,273,563,593,653, 678,713,723,733,783,798,808,843,900,901)
	12-E (324,325,328,344,345,348,444,447,454,457,533,537,543,545,547, 553,557,643,647,653,657) 12-E (329,449,459,539,549,559,649)

SDS no. Product type : A-05E : Solid.

Section 1. Identification

Relevant identified uses of the substance or mixture and uses advised against		
Identified uses	: Grinding with Bench grinder or straight grinder.	
Manufacturer	: Walter Surface Technologies Inc.	
Supplier's details	 5977 Trans Canada Highway West Pointe-Claire, Quebec H9R 1C1 Phone: 514-630-2800 Toll Free: 1-800-363-7368 Fax: 514-630-2825 	
Emergency telephone number (with hours of operation)	 CANUTEC (Canadian Transport Emergency Centre), (613) 996-6666, 24 hours / 7 days 	

Section 2. Hazards identification

OSHA/HCS status	: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	: Not classified.

This product is an Article under the United States Hazard Communication systems and WHMIS 2015. Therefore it is EXEMPTED from the regulatory requirements under HCS and WHMIS 2015.

GHS label elements	
Signal word	: No signal word.
Hazard statements	: No known significant effects or critical hazards.
Precautionary statements	
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
Hazards not otherwise classified	: None known.



Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Product code	: 12-C (101,111,121,401,421,301,302,311,321,201,202,211,221)
	12-D (002,012,017,022,032,037,057,077,092,102,117,122,232,
	242,272,562,572,592,652,677,712,722,732,752,782,797,807,822,842)
	12-D (001,011,016,021,031,036,056,076,091,101,116,121,231,241,
	261,271,561,571,591,651,676,711,721,731,751,781,796,806,821,841)
	12-D (003,013,018,023,033,038,058,078,118,123,243,273,563,593,653,
	678,713,723,733,783,798,808,843,900,901)
	12-E (324,325,328,344,345,348,444,447,454,457,533,537,543,545,547,
	553,557,643,647,653,657)
	12-E (329,449,459,539,549,559,649)

Ingredient name	%	CAS number
Rubber, natural	10 - 30	9006-04-6
Phenol	10 - 30	108-95-2
Feldspar-group minerals	1 - 5	68476-25-5
Crystalline silica	1 - 5	14808-60-7
Sulfur	1 - 5	7704-34-9
Potassium tetrafluoroaluminate	1 - 5	14484-69-6
Iron disulphide	1 – 5	12068-85-8

United States: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Canada: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018.

Section 3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures			
Eye contact	: Not a likely route of exposure.		
Inhalation	: Not a likely route of exposure.		
Skin contact	: Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.		
Ingestion	: Not a likely route of exposure. Get medical attention if symptoms occur.		

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/s	<u>ymptoms</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

<u>Extinguishing media</u>		
Suitable extinguishing media	1	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides halogenated compounds metal oxide/oxides



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Section 5. Fire-fighting measures

Special protective actions for fire-fighters	: No special measures are required.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protec	tive equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering.
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	: N/A, solid material

Methods and materials for containment and cleaning up

Small spill	: N/A, solid material
Large spill	: N/A, solid material

Section 7. Handling and storage

Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

<u>Control parameters</u> <u>United States</u> <u>Occupational exposure limits</u>



Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
Rubber, natural	ACGIH TLV (United States, 3/2017). Absorbed through skin. Skin sensitizer. Inhalation sensitizer. TWA: 0.0001 mg/m³, (as inhalable allergenic proteins) 8 hours. Form: Inhalable fraction
Phenol	ACGIH TLV (United States, 3/2017). Absorbed through skin. TWA: 5 ppm 8 hours. TWA: 19 mg/m ³ 8 hours. NIOSH REL (United States, 10/2016). Absorbed through skin. TWA: 5 ppm 10 hours. TWA: 19 mg/m ³ 10 hours. CEIL: 15.6 ppm 15 minutes. CEIL: 60 mg/m ³ 15 minutes. CEIL: 60 mg/m ³ 15 minutes. OSHA PEL (United States, 6/2016). Absorbed through skin. TWA: 5 ppm 8 hours. TWA: 19 mg/m ³ 8 hours.
Feldspar-group minerals Crystalline silica	None. OSHA PEL Z3 (United States, 6/2016). TWA: 250 mppcf / (%SiO2+5) 8 hours. Form: Respirable TWA: 10 mg/m³ / (%SiO2+2) 8 hours. Form: Respirable NIOSH REL (United States, 10/2016). TWA: 0.05 mg/m³ 10 hours. Form: Respirable dust OSHA PEL (United States, 6/2016). TWA: 50 μg/m³ 8 hours. Form: Respirable dust ACGIH TLV (United States, 3/2017). TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction
Sulfur Potassium tetrafluoroaluminate Iron disulphide	None. None. None.

<u>Canada</u>

Occupational exposure limits

Ingredient name	Exposure limits
Rubber, natural	 CA British Columbia Provincial (Canada, 7/2016). Absorbed through skin. Skin sensitizer. TWA: 0.001 mg/m³, (as total proteins) 8 hours. Form: Inhalable CA Ontario Provincial (Canada, 7/2015). Absorbed through skin. TWA: 0.0001 mg/m³ 8 hours. Form: Inhalable fraction CA Alberta Provincial (Canada, 4/2009). Absorbed through skin. 8 hrs OEL: 0.001 mg/m³, (as total proteins) 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin. 8 hrs OEL: 0.001 mg/m³, (as total proteins) 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin. Skin sensitizer. STEL: 0.003 mg/m³, (measured as total proteins) 15 minutes. Form: Inhalable fraction TWA: 0.001 mg/m³, (measured as total proteins) 8 hours. Form: Inhalable fraction TWA: 0.001 mg/m³ (hours. CA Alberta Provincial (Canada, 4/2009). Absorbed through skin. 8 hrs OEL: 19 mg/m³ 8 hours. CA British Columbia Provincial (Canada, 7/2016). Absorbed through skin. 8 hrs OEL: 5 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). Absorbed through skin. TWA: 5 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). Absorbed through skin.
Crystalline silica	 TWAEV: 5 ppm 8 hours. TWAEV: 19 mg/m³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin. STEL: 7.5 ppm 15 minutes. TWA: 5 ppm 8 hours. CA British Columbia Provincial (Canada, 7/2016). TWA: 0.025 mg/m³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 1/2014). TWAEV: 0.1 mg/m³ 8 hours. Form: Respirable dust CA Ontario Provincial (Canada, 7/2015).

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Section 8. Exposure controls/personal protection

	-		
Sulfur	TWA: 0.1 mg/m ³ 8 hours. Form: Respirable fraction CA Saskatchewan Provincial (Canada, 7/2013). TWA: 0.05 mg/m ³ 8 hours. Form: Respirable fraction CA Alberta Provincial (Canada, 4/2009). 8 hrs OEL: 0.025 mg/m ³ 8 hours. Form: Respirable particulate. CA Alberta Provincial (Canada, 4/2009). 8 hrs OEL: 10 mg/m ³ 8 hours.		
Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.		
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.		
Individual protection meas	ures .		
Hygiene measures	: Follow good industrial hygiene practice.		
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.		
Skin protection			
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.		
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.		
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.		
Respiratory protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.		

Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Solid.
Color	: Variable.
Odor	: None.
Odor threshold	: Not applicable.
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Not applicable.
Evaporation rate	: Not applicable.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not applicable.
Vapor pressure	: Not available.
Vapor density	: Not applicable.



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Section 9. Physical and chemical properties

Relative density	: Not available.
Solubility	: Not available.
Partition coefficient: n- octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not applicable.
Flow time (ISO 2431)	: Not available.
VOC content (g/l)	: 20 % (w/w)

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials and acids.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Phenol	LC50 Inhalation Vapor LD50 Dermal LD50 Dermal LD50 Oral	Rabbit Rat	316 mg/m³ 630 mg/kg 669 mg/kg 317 mg/kg	4 hours - - -

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Phenol	Eyes - Mild irritant Eyes - Severe irritant Skin - Severe irritant	Rabbit Rabbit Pig		0.5 minutes 5 mg 5 mg 0.5 minutes 400 µl	-
	Skin - Mild irritant Skin - Severe irritant	Rabbit Rabbit	-	100 mg 535 mg	-

Sensitization

There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

Classification



A-05E

Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
Phenol	-	3	-
Crystalline silica		1	Known to be a human carcinogen.

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

Name	Category	Target organs
Feldspar-group minerals	Category 3	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Target organs
Phenol Crystalline silica Potassium tetrafluoroaluminate	Category 1	Not determined respiratory tract Not determined

Aspiration hazard

There is no data available.

Information on the likely : Inhalation. Ingestion.

routes of exposure

Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics				
Eye contact	: No known significant effects or critical hazards.			
Inhalation	: No known significant effects or critical hazards.			
Skin contact	: No known significant effects or critical hazards.			
Ingestion	: No known significant effects or critical hazards.			

Delayed and immediate effects and also chronic effects from short and long term exposure

<u>Short term exposure</u>	
Potential immediate effects	: No known significant effects or critical hazards.
Potential delayed effects	: No known significant effects or critical hazards.
<u>Long term exposure</u>	
Potential immediate effects	: No known significant effects or critical hazards.
Potential delayed effects	: No known significant effects or critical hazards.
Potential chronic health eff	<u>ects</u>
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.

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Section 11. Toxicological information

Teratogenicity Developmental effects Fertility effects

: No known significant effects or critical hazards.

- : No known significant effects or critical hazards.
- : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Phenol	Acute EC50 130 mg/L Fresh water Chronic NOEC 16 μg/L Marine water Chronic NOEC 1.5 mg/L Fresh water Chronic NOEC 20.2 mg/L Fresh water	Aquatic plants - Lemna aequinoctialis Algae - Hormosira banksii - Gamete Daphnia - Daphnia magna Fish - Pimephales promelas - Embryo	96 hours 72 hours 21 days 32 days
Sulfur	Acute LC50 >100 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

There is no data available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Phenol	1.47	647	high

Mobility in soil

Soil/water partition : Not available. coefficient (Koc)

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #		Reference number
Phenol	108-95-2	Listed	U188



Section 14. Transport information

	DOT Classification	TDG Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

DOT-RQ Details

: Phenol

1000 lbs / 454 kg

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

U.S. Federal regulations : United States inventory (TSCA 8b): All components are listed or exempted. Clean Water Act (CWA) 307: Phenol Clean Water Act (CWA) 311: Phenol

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Listed
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Not listed

SARA 302/304

Composition/information on ingredients

		SARA 302 TPQ		SARA 304 RQ	
Name	EHS	(Ibs)	(gallons)	(lbs)	(gallons)
Phenol	Yes.	500 / 10000	-	1000	-

SARA 304 RQ SARA 311/312

: 5000 lbs / 2270 kg



Section 15. Regulatory information

: Not applicable. Classification

Composition/information on ingredients

Name	Classification
Rubber, natural	RESPIRATORY SENSITIZATION - Category 1
	SKIN SENSITIZATION - Category 1
Phenol	ACUTE TOXICITY (oral) - Category 3
	ACUTE TOXICITY (dermal) - Category 3
	ACUTE TOXICITY (inhalation) - Category 3
	SKIN CORROSION/IRRITATION - Category 1B
	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
	GERM CELL MUTAGENICITY - Category 2
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Feldspar-group minerals	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract
	irritation) - Category 3
Crystalline silica	CARCINOGENICITY - Category 1A
,	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory
	tract) (inhalation) - Category 1
Sulfur	FLAMMABLE SOLIDS - Category 2
	SKIN CORROSION/IRRITATION - Category 2
Potassium tetrafluoroaluminate	ACUTE TOXICITY (inhalation) - Category 4
	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
	TOXIC TO REPRODUCTION - Effects on or via lactation
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
Iron disulphide	RESPIRATORY SENSITIZATION - Category 1
	SKIN SENSITIZATION - Category 1

SARA 313

	Product name	CAS number
Form R - Reporting requirements	Phenol	108-95-2
Supplier notification	Phenol	108-95-2

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts	 The following components are listed: Aluminium oxide; Silicon carbide; Phenol; Glass, oxide, chemicals; Talc; Crystalline silica; Sulfur
New York	: The following components are listed: Phenol
New Jersey	 The following components are listed: Aluminium oxide; Silicon carbide; Phenol; Kaolin; Talc; Crystalline silica; Sulfur
Pennsylvania	 The following components are listed: Aluminium oxide; Silicon carbide; Phenol; Kaolin; Talc; Crystalline silica; Sulfur

California Prop. 65

WARNING: This product can expose you to Crystalline silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Canada

<u>Canadian lists</u>	
Canadian NPRI	: The following components are listed: Phenol
CEPA Toxic substances	: None of the components are listed.
Canada inventory (DSL NDSL)	: At least one component is not listed in DSL bu

out all such components are listed in NDSL.

International lists



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Section 15. Regulatory information

National inventory	
Europe	: All components are listed or exempted.
New Zealand	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.

Section 16. Other information

Procedure used to derive the classification

Classification		Justification
Not classified.		
History		1
Date of issue mm/dd/yyyy	: 10/07/2021	
Date of previous issue	: 06/30/2018	
Version	: 3	
Prepared by	: KMK Regulatory Services Inc.	
Notico to reador		

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

