





Date Revised : Supercedes :

10 / 17 04 / 15

**GET TOUGH** (Product # 458)

ORANGE WATERLESS
HEAVY-DUTY, MECHANIC'S
HAND CLEANER
with VOLCANIC PUMICE

REMOVES STUBBORN SOILS FROM SKIN EFFECTIVE ON GREASE, PAINT, TAR, AND OTHER DIFFICULT SOILS.

CAN BE USED WITH OR WITHOUT WATER

SECTION 1: IDENTIFICATION OF SUBSTANCE / COMPANY

PRODUCT NAME / IDENTIFIER:

"GET TOUGH" Orange Waterless, Heavy-Duty, Hand Cleaner with VOLCANIC PUMICE

PRIMARY APPLICATION / RECOMMENDED USAGE:

A mechanic's hand cleaner which combines NATURAL citrus extract solvent with the finest mild abrasive pumice to loosen and lift embedded soils from skin. Removes tough soils, grease, paint, tar, and other difficult soils. Can be used with or without

water.

DISTRIBUTED EXCLUSIVELY BY:

**HEALTHY CLEAN BUILDINGS** 

4 Wilmington Drive

Melville, New York 11747

**NFORMATION TELEPHONE:** 

1-631-643-1882

**EMERGENCY TELEPHONE:** 

Medical: Contact your local Poison Control Center

Transportation (24 Hour) Contact: INFOTRAC: (Reference: Arrow) North America - 1-800 - 535 - 5053

Outside North America - + 1- 352 - 323 - 3500

Refer to Product Label

SECTION 2: HAZARD(S) IDENTIFICATION

#### **Emergency Overview:**

**USAGE RESTRICTIONS:** 

Not Hazardous in accordance with the OSHA Hazard Communication Standard (29 CFR 1910, 1200). While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product.

#### **GHS-US Classification**

Label Elements: N / A Signal Word: WARNING Hazard Statement:

Skin Irritation ( Category 2 )
Skin Sensitivity ( Category 1 )

Eye Damage (Category 1)

H315

H317 H318

**Hazard Statements:** 

H315 - Causes Skin Irritation in concentration .

H317 - May cause an allergic skin reaction in concentration .

H318 - May cause serious eye damage ( due to abrasive nature of pumice ) in concentration .

Hazard Symbol:

Mild Skin & Eye Irritant

**Precautionary Statements** 

P261 – Avoid breathing dust/mist/spray in concentration for a prolonged period of time .

P280 - Wear Protective eye protection

P305+P351+P338 – If in eyes, rinse cautiously with water for several minutes .

If easy to do, remove contact lenses . Continue rinsing

P301+312 - If swallowed and personal health issues persist, immediately call a POISON CONTROL CENTER .

P304 + 340 - If over-inhaled and dizziness occurs, remove person to fresh air and comfort.

P337+P313 - If eye irritation persists, get medical advice/attention.

- -- Do Not Use near Eyes . In case of eye contact , Flush thoroughly with water and seek medical attention .
- -- If any adverse condition , irritation, or redness persists for more than 72 hours , stop use and seek medical attention .
- KEEP OUT OF REACH OF CHILDREN
- KEEP AWAY FROM FIRE , FLAME , OR HOT SURFACES . DO NOT SMOKE WHEN USING PRODUCT .

Ingredients with Unknown Acute Toxicity: No Data Available

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#### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical characterization: A mechanic's hand cleaner which combines NATURAL citrus extract solvent with the finest mild abrasive pumice to loosen and lift embedded soils from skin. Removes tough soils, grease, paint, tar, and other difficult soils. Can be used with or without water.

CHEMICAL INGREDIENT:	CAS #:	APPROX .%	OTHER
Citrus Terpene ( d-Limonene )	5989-27-5	< 5	H302 Acute Tox.4 ( Swallowed ); H304 Aspiration. Tox. 1; H318 Eye Damage – 1
Alcohols, C9-11, Ethoxylated	68439-46-3	1-5	
Mineral Oil ( White )	8042-47-5	3-7	
*Pumice ( Volcanic ) * optional	1332-09-8	5-10	
Water	7732-18-5	60-85	

NOTE: Exact percentages and identities are withhold as trade secrets. Remaining ingredients are non-hazardous and / or present at amounts below reportable limits and considered confidential.

#### **SECTION 4: FIRST AID MEASURES**

**Description of Necessary Measures:** 

After Inhalation: If dizziness or faintness occurs, supply fresh air. Consult a doctor if adverse conditions persist.

After Skin Contact: In case of severe irritation, immediately wash affected areas with soap and water. Remove affected clothing and wash all exposed skin area with plenty of water. If skin irritation or rash persists, seek medical attention.

After Eye Contact: Prolonged exposure may cause mild irritation to the eye tissue if not removed. In case of extreme contact, immediately flush eyes with large quantities of warm running water for 15 minutes, lifting upper and lower lids occasionally. If easy to do, remove contact lenses Continue water rinsing. If eye irritation persists, seek medical attention.

After Ingestion: May cause nausea. Rinse mouth. DO NOT induce vomiting. If patient is fully conscious, continue to rinse mouth with water and drink 2-3 glasses of water. If adverse conditions persist, seek medical attention. Never give anything by mouth if victim is conscious, rapidly losing consciousness, or is convulsing.

Indication Of Any Immediate Medical Attention and Special Treatment Required: Immediate medical attention generally not required.

## **SECTION 5: FIRE FIGHTING MEASURES:**

Suitable Extinquishing Media: Alcohol – resistant Foam, Dry Chemical,

Unsuitable Extinquishing Media: Water Spray

Carbon Dioxide, Sand .

Flashpoint (°F, °C, PMCC): 200° F (93.3° C) Tag Closed Cup

Special Fire Fighting Procedures: Wear NIOSH approved, positive pressure, self-contained breathing apparatus and Protective clothing. Clothing for fire fighters should provide a basic level of protection for chemical incidents which includes helmets, protective boots, and gloves. For extremely large quantities, must use self-contained breathing apparatus and full protective gear. Use water spray ONLY to cool fire-exposed containers but do not spray directly into large containers of burning liquids as frothing may occur.

Special Instructions: This compound will not burn unless it is pre-heated. Dense smoke and noxious, irritating fumes may be generated in a fire.

Flammability Limits ( % by volume ) :

Lower : N/E Upper : N/E

Hazardous Combustion Products: Decomposition products may include: Carbon Dioxide, Carbon Monoxide, or other Oxides of Carbon.

Advice / Special Precautions for Fire Fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without training on alcohol fires. Move remaining containers from the fire area if this condition can be performed without risk.

Special Protective Equipment for Fire Fighters: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire fighters should provide a basic level of protection for chemical incidents which includes helmets, protective boots, and gloves. For extremely large quantities, must use self-contained breathing apparatus and full protective gear.



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#### **SECTION 6: ACCIDENTIAL RELEASE MEASURES**

Personal Precautions: Wear appropriate Protective Equipment as required (see Section 8). Ensure adequate cross ventilation. Exercise caution from slipping on leaked / spilled product (product can be a slip hazard). Wipe up excess product with a disposable cloth. Rinse several times with water. Do not rinse spill onto the ground into storm sewers or bodies of water. Protective Measures: Keep in the original container or an approved alternative made form a compatible material, kept tightly closed when not in-use. Store and use away from heat, sparks, open flame, or any other ignition source. Use non-sparking tools. Take precautionary measures against electrostatic discharges. Leak and Spill Procedure: Due to its viscous consistency, this product is not expected to leak or spill. Otherwise, make best efforts to safely stop source of spill. Use spark-proof tools and appropriate explosion proof equipment. Dike or contain spill away from open flames. Collect excess product for disposal. Flush remaining product from spill with water to clean up residue. Absorb slurry with an appropriate liquid-binding, non-combustible absorbent (ie: sand, earth, vermiculite). Retain and dispose of all contaminated washings, sweepings, and absorbents in accordance with all applicable international, federal, state, and local regulations.

Precautions To Be Taken in Handling & Storing: Protect from freezing and exposure to sparks or open flames. Product shelf life is best retained by storing at average room temperature.

**Environmental Precautions:** Make best efforts to prevent entry into sewers and public waters. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right-To-Know Act of 1968 and of 40 CFR Part 372.

#### SECTION 7: HANDLING & STORAGE REQUIREMENTS

## KEEP OUT OF REACH OF CHILDREN

Precautions for Safe Handling: Read product literature, label, and SDS before use. Use product strictly according to label directions. Avoid contact with eyes. Do not ingest or swallow. Wash hands and other exposed areas with soap and water before eating, drinking, smoking; or when leaving work. Provide adequate ventilation in storage area. Avoid spillage or container rupture of the product. Avoid personal contamination after a spill.

**Hygiene Measures**: **Practice good hygiene and housekeeping measures**. Wash hands and forearms thoroughly after handling. Launder soiled, contaminated clothing before re-use.

Safe Storage Conditions: Store in accordance with good industrial hygiene and safety practices; and the most stringent of environmental regulations. Keep container closed when not in use. Keep in original container in a cool, dry, well-ventilated place away from open flames. Keep container away from direct sunlight and incompatible materials. ( see Section 10 ). Do Not Freeze. Store in temperatures beween  $40-70^{\circ}$  F...

Incompatible Products: High alkalis, low acids, or oxidizing agents ( see Section 10 ) .

Incompatible Circumstances: Keep away from heat, sparks, flames and other sources of ignition ( ie: pilot lights, electric motors, and static electricity.

# SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME :	EXPOSURE LIMITS :
Mineral Oil ( CAS # : 8042-47-5 )	ACGIH / TWA : 5 mg/m3 – 8 hrs ( Average Exposure Limits )

Workplace Control Parameters: Industrial Setting for Ingredients with Occupational Exposure Limits.

Engineering Controls: This product is relatively safe under normal use. For industrial settings, use in well-ventilated areas.

Local Exhaust: Use in a well-ventilated area.

Occupational Exposure Limits: Occupational Exposure Limit Values: ( OELV ) 8 hr:1000 ppm -1900 mg/m3

Personal Protective Equipment: Avoid unnecessary exposure

Hand protection: Not necessary but good practice (optional) to wear chemical -resistant gloves when over-exposure when handling is an issue.

Eye Protection: Chemical goggles or safety glasses recommended where needed to avoid eye contact.

Respiratory Protection: Not necessary but good practice (optional) to wear appropriate respiratory mask. If occupational exposure limits are exceeded or respiratory irritation occurs, use a NIOSH / MSHA approved respirator.

Work / Hygienic Practices: Wash exposed skin thoroughly after handling ( refer to : 29 CFR 1910 : 132-138 ) . Wash contaminated clothing before re-use .

Other Information: Do Not eat, drink, or smoke during use



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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Crème w/ grit

Color: Orange

pH (as is):8-10

Relative Evaporation Rate: Undetermined

Boiling Point: 212 °F (100 °C)

Flashpoint: > 145°F (62.7°C)

Freezing Point: 32 ° F (0 °C)

Evaporation Rate: < 1 (Butyl acetate = 1)

Solubility in Water: Miscible Specific Gravity (Water = 1): 1.01 Vapor Pressure: Undetermined

Odor: Slight Orange (Citrus)I

Melting Point: No Information Available

Viscosity: 10000-50000 mm2/s (68°F/20°C) Explosive Limits: Undetermined Relative Density: 1.0328 g/cm3

VOC Content (% by weight): < 8.0

Decomposition Temp.: Not classified as self-reactive

#### **SECTION 10: STABILITY AND REACTIVITY**

Chemical stability: Stable under Normal Condition s Reactivity: Not reactive under normal conditions of use

Possibility of Hazardous Reactions: Keep away from open sparks / flames.

Conditions to Avoid: Extremely High or Low Temperatures Incompatible Materials: Strong oxidizing agents and acids.

Hazardous Decomposition By-products: Thermal decomposition products are highly dependent upon combustion conditions. Generally,

decomposition may produce oxides of carbons ( carbon monoxide / carbon dioxide ) . Irritating, noxious fumes may be generated .

Fumes Hazardous Polymerization: Should not occur

#### SECTION 11: TOXICOLOGICAL INFORMATION

Any hazards associated with this finished product are listed in SECTION 2 of this SDS.

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Likely Routes of Exposure: Inhalation, Skin Contact, Eye Contact, Oral Ingestion

Conditions to Avoid:

Inhalation:

-Eye Contact:

-Skin Contact:

-Ingestion:

Nasal discomfort and coughing.

Pain, redness, swelling of the conjunctiva and blurred vision.

Pain, redness and cracking of the skin. Pain, nausea, vomiting and diarrhea.

Information on Toxicological Effects:

Likely Routes of Exposure:

Inhalation: Relatively No Irritating Effect

Eye Contact: May Cause Mild, Transient Irritating Effect

Skin Contact: Not expected to be Irritating or Sensitizing.

Ingestion: Oral toxicity is not anticipated, but may cause stomach distress

nausea, or vomiting.

Immediate, Delayed, Chronic Effects

Product Information: Data not available or insufficient for classification.

# **Component Acute Toxicity Information**

PRODUCT/ INGREDIENT NAME :	ORAL LD50 :	DERMAL LD50 :	INHALATION LC50 :
d-Limonene (CAS # 5989-27-5)	=4400 mg /kg ( rat )	>2000 mg /kg ( rabbit )	Not Available
Alcohols, C9-11,	1400 mg /kg ( rat )	>5000 mg /kg ( rat )	No Data
Mineral Oil ( CAS# ) 8042-47-5	Animals : Not Available	Animals : Not Available	Animals : Not Available

Assessment: No acute oral toxicity

Carcinogenicity: The Table below indicates whether each agency has listed any specific ingredient as a carcinogen.

PRODUCT /INGREDIENT NAME:	ACGIH	IARC	NTP	OSHA
d-Limonene (CAS # 5989-27-5) ( Orange Terpenes )	Yes	Group 3	Yes	Х



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## TOXICOLOGICAL INFORMATION (continued)

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

d-Limonene: Test Type: Local lymph node assay (LLNA)

Exposure routes: Skin contact

Species: Mouse

Result: positive Assessment: Probability or evidence of skin sensitization in humans Germ cell mutagenicity Not classified based on available information

d-Limonene: Genotoxicity in vitro: Test Type: In vitro mammalian cell gene mutation test. Result: negative

Genotoxicity in vivo: Test Type: Transgenic rodent somatic cell gene mutation assay Test species: Rat Application Route: Ingestion Result: negative

Carcinogenicity: Not classified based on available information.

Components: d-Limonene: Species: Mouse Application Route: Ingestion Exposure time: 103 weeks Result: negative

d-Limonene: Species: Rat NOAEL: 600 mg/kg Application Route: Ingestion Exposure time: 13 w

Aspiration toxicity: Not classified based on available information.

d-Limonene: The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Symptoms Related to the Physical, Chemical, and Toxilogical Characteristics: No Further Information

Available Delayed and Immediate Effects ( Chronic Effects from Short and Long Term Exposure ): No Further Information

Measures of Toxicity: No Further Information Available

Teratogenicity, Mutagenicity: No Data Available

Reproductive Toxicity: Not Classified

Specific Target Organ Toxicity (Single Exposure): Not Classified Specific Target Organ Toxicity (Repeated Exposure): Not Classified

Carcinogenic Categories: Not expected to be carcinogenic

**Acute Toxicity:** 

Skin Corrosion / Irritation : Not classified

Skin Sensitization: Not classified, except for personal allergic reactions.

Serious Eye Damage / Irritation : Not classified Respiratory Sensitization : Not classified

Potential Acute Health Effects:

Inhalation: No Known Significant Effects or Critical Hazards
Skin Contact: Non- Irritant to Skin except for allergic reaction.

Eye Contact: May Cause Eye Irritation

Ingestion: No Known Significant Effects or Critical Hazards

Conclusion / Summary:

General: No Known Significant Effects or Critical Hazards
Carcinogenicity: No Known Significant Effects or Critical Hazards
Mutagenicity: No Known Significant Effects or Critical Hazards
Teratogenicity: No Known Significant Effects or Critical Hazards

Developmental Effects: No Known Significant Effects or Critical Hazards

Fertility Effects: No Known Significant Effects or Critical Hazards



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SECTION	12 : EC	COLOGICAL	INFORMATION

ECOTOXICITY : Aquatic Toxicity :

Product / Ingredient Name :	Result:	Species:	Exposures :	Other:
d-Limonene 5989-27-5				
	Acute ErC50 : 150 mg/l	Algae – Desmodesmus subspicatus (green algae) .	72 hours	Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials
1	EC50 (Daphnia magna (Water flea)): 0.36 mg/l	Daphnia and other aquatic invertebrates	48 hours	M-Factor (Acute aquatic toxicity) : 1
'	LC50 (Pimephales promelas (fathead minnow)): 0.72 mg/l	Fish : Fathead Minnow	96 hours	
	LC50 Oncorhynchus mykiss;0.619 - 0.796 mg/L	Fish : My Kiss	96 hours	

Terrestrial	Toxicity:	No Additional Information	Available
Mobility in	Soil :	No Additional Information	Available

Persistence & Biodegradability : Result: Readily biodegradable.

Biodegradation: 80 % Exposure time: 28 d Bioaccumulative Potential Components :

Product / Ingredient Name :	log P ow	BCF	Potential
d-Limonene 5989-27-5	Partition Coefficient : 4.38 ( Noctanol / water )		Relatively Acceptable

Product / Ingredient Name :	Result:	Species:	Exposures :
Alcohols, C9-11, ethoxylated 68439-46-3			
	ErC50 : 1-10mg/1	Algae	96 hours
	EC 50 : 5.3 mg/1	Daphnia Magna and other aquatic invertebrates	
	LC50 :Fathead Minnow (pimephales promelas) : 8.5mg/l	Fish : Fathead Minnow	



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# **ECOLOGICAL INFORMATION (continued)**

Bioaccumulative Potential:

OTHER ADVERSE EFFECTS:

**NOTE**: The product's ingredients are expected to have minimal toxicity and are relatively safe for the environment at concentrations predicted under normal use and accidental spill conditions. Packaging components are compatible with conventional solid waste management practices.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

Methods of Disposal: The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposable of this product, and any by-product should at all times comply with the requirements of environmental and waste disposal legislation; and any regional local authority requirements. Avoid dispersal of spilt material and run-off and contact with soil, waterways, drains, & sewers.

Waste Disposal Recommendations: Dispose in safe manner in accordance with local / state/federal regulations. Dispose of contents / container in accordance with local/regional/national/international regulations. Can be incinerated with waste stream after consulting with the waste disposal facility operator and the pertinent authorities while adhering to the necessary regulations.

Packaging Disposal: 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liner may retain some product residues. Do Not cut, weld, or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and run-off and contact with soil, waterways, drains, & sewers.

Ecology - Waste Materials: Avoid release into environment.

Recommended Cleansing Agents: Water Only

### **SECTION 14: TRANSPORT INFORMATION**

INTERNATIONAL REGULATIONS:	IATA – DGR Not regulated as a dangerous good	IMDG – Code Not regulated as a dangerous good
NATIONAL REGULATIONS :	DOT Not regulated as a dangerous good	49 CFR Not regulated as dangerous good

**Notes:** Not regulated when shipped domestically by ground in containers = /< 119 gallons. descriptions may vary based on mode of transport, quantities, package size, destination. If any doubt, check with a trained hazardous materials expert regarding specific situations.



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#### SECTION 15: REGULATORY INFORMATION

#### US-EPA ( Environmental Protection Agency ):

**EPA TSCA Inventory**: All chemical ingredients of this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA Title III Sections 302 / 304, 311 / 312 / 313 Chemical Listings: Not Hazardous. None or none present in regulated quantities. This material does not contain any chemical components with known CAS numbers that exceed the threshold ( De Minimis ) reporting levels established by SARA sections.

CERLCA Reportable Quantity ( RQ ): This material does not contain any components with a CERCLA RQ . This product is not subject to reporting requirements under CERCLA .

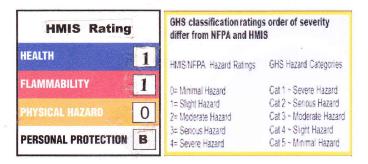
CLEAN AIR ACT: This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112 (r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S., Clean Air Act Section 450.

CLEAN WATER ACT: This product does not contain any toxic pollutants listed under the U.S. Clean Water Act, Section 307.

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Canada: All ingredients of this product are on the Canadian DSL.

#### **SECTION 16: OTHER INFORMATION**



DISCLAIMER: This document is intended to provide a brief summary of our present knowledge and guidance regarding the use of this material. The information set forth herein has been compiled from sources to be dependable and is believed to be accurate as of the date of issuance. This information is offered in good faith by HEALTHY CLEAN BUILDINGS and no warranty, expressed or implied, is made. The user assumes all liability for any damage or injury resulting from misuse, from any failure to adhere to recommended practices according to product label (and such), or from any hazards inherent in the nature of the product. This document shall not constitute a guarantee for any specific product features and shall not establish a legally valid contracted relationship.

Footnotes: CALC-Calculated; COR-Corrosive; CS-Cancer Suspect Agent; EST-Estimated; HMIS-Hazardous Material Identification System; NA-Not Applicable; ND-No Data; NE – Data Not Established; OX- Oxidizer; PEL-Permissible Exposure Limit; PPI-Personal Protection Index; STEL-Short Time Exposure Limit; TLV-Threshold Limit Value; TS-Trade Secret; TWA-Time Weighted Average