

## SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements of the Global Harmonizing System.  
THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)  
IMPORTANT: Read this SDS before handling & disposing of this product.  
Pass this information on to employees, customers, & users of this product.

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: SOLVENT-BASED GROUT & STONE SEALER CH04  
PRODUCT PURPOSE: GROUT & STONE SEALER  
COMPANY IDENTITY: Hydro-Force Manufacturing  
COMPANY ADDRESS: 4282 S 590 W  
COMPANY CITY: Salt Lake City, UT 84123  
COMPANY PHONE: 1-800-948-1779  
EMERGENCY PHONES: INFOTRAC: 1-800-535-5053 (USA)

### SECTION 2. HAZARDS IDENTIFICATION

**DANGER!!**

#### HAZARD STATEMENTS:

(H100s = General, H200s = Physical, H300s = Health, H400s = Environmental)  
H226 COMBUSTIBLE LIQUID(N.America);  
H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.  
H315 CAUSES SKIN IRRITATION.  
H320 CAUSES EYE IRRITATION.  
H335 MAY CAUSE RESPIRATORY IRRITATION.  
H336 MAY CAUSE DROWSINESS OR DIZZINESS.  
H402 HARMFUL TO AQUATIC LIFE.



#### PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal  
P264 Wash with soap & water thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+352 IF ON SKIN: Wash with soap & water.  
P304+340 IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable for breathing.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P332+313 If skin irritation occurs: Get medical advice/attention.  
P337+313 If eye irritation persists, get medical advice/attention.  
P361 Remove/Take off immediately all contaminated clothing.  
P363 Wash contaminated clothing before reuse.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINECS#	WT %
Odorless Mineral Spirits	64742-48-9	265-200-4	Trade Secret

TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

### SECTION 4. FIRST AID MEASURES

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE & CHRONIC:  
See Section 11 for symptoms/effects, acute & chronic.

#### GENERAL ADVICE:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

#### EYE CONTACT:

If this product enters the eyes, check for and remove any contact lenses. Open eyes while under gently running water. Use sufficient force to open eyelids. "Roll" eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

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**SECTION 4. FIRST AID MEASURES (CONTINUED)**

**SKIN CONTACT:**

If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes.

**INHALATION:**

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention.

**SWALLOWING:**

If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

**NOTES TO PHYSICIAN:**

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

**SECTION 5. FIRE FIGHTING MEASURES**

**FIRE & EXPLOSION PREVENTIVE MEASURES:**

NO open flames, NO sparks, & NO smoking. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting.

**SUITABLE (& UNSUITABLE) EXTINGUISHING MEDIA:**

Use dry powder, AFFF, carbon dioxide.

**SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIRE FIGHTERS:**

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots).

**SPECIFIC HAZARDS OF CHEMICAL & HAZARDOUS COMBUSTION PRODUCTS:**

COMBUSTIBLE!

Isolate from oxidizers, heat, & open flame.  
Closed containers may explode if exposed to extreme heat.  
Applying to hot surfaces requires special precautions.  
Empty container very hazardous! Continue all label precautions!

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:**

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area).

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, EMERGENCY PROCEDURES:**

The proper personal protective equipment for incidental releases (such as: 1 Liter of the product released in a well-ventilated area), use impermeable gloves, they should be Level B: **triple-gloves (rubber gloves and nitrile gloves over latex gloves), chemical resistant suit and boots, hard-hat, and Self-Contained Breathing Apparatus** specific for the material handled, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

**ENVIRONMENTAL PRECAUTIONS:**

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or

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#### **SECTION 6. ACCIDENTAL RELEASE MEASURES (CONTINUED)**

block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

#### **METHODS AND MATERIAL FOR CONTAINMENT & CLEAN-UP:**

Absorb spilled liquid with polypads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and place all spill residue in suitable containers. dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13 - Disposal Considerations).

#### **SECTION 7. HANDLING AND STORAGE**

##### **PRECAUTIONS FOR SAFE HANDLING:**

Isolate from oxidizers, heat, & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Avoid prolonged or repeated contact with skin. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, braze, or weld. Empty container very hazardous! Continue all label precautions!

##### **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

Isolate from strong oxidants.  
 Keep container tightly closed & upright when not in use to prevent leakage.

##### **NONBULK: CONTAINERS:**

Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Post warning and "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.

##### **PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:**

Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Collect all rinsates and dispose of according to applicable Federal, State, Provincial, or local procedures.

##### **EMPTY CONTAINER WARNING:**

Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions.

#### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

##### **EXPOSURE LIMITS:**

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Odorless Mineral Spirits	64742-48-9	265-200-4	500 ppm	100 ppm

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

##### **APPROPRIATE ENGINEERING CONTROLS:**

###### **RESPIRATORY EXPOSURE CONTROLS**

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

###### **VENTILATION**

LOCAL EXHAUST:	Necessary	MECHANICAL (GENERAL):	Acceptable
SPECIAL:	None	OTHER:	None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

##### **INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:**

###### **PERSONAL PROTECTIONS:**

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

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## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Clear Liquid
ODOR:	Mild
ODOR THRESHOLD:	Not Available
pH (Neutrality):	Not Available
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP,50%,Dry Point):	171 172 204* C/340 343 400* F(*=End Point)
FLASH POINT (TEST METHOD):	52 C / 127 F (TCC)
EVAPORATION RATE (n-Butyl Acetate=1):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Class II
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	0.95
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	0.849
VAPOR DENSITY (air=1):	5.2
GRAVITY @ 68/68 F / 20/20 C:	
DENSITY:	0.790
SPECIFIC GRAVITY (Water=1):	0.791
POUNDS/GALLON:	6.588
WATER SOLUBILITY:	Negligible
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	260 C / 500 F
DECOMPOSITION TEMPERATURE:	Not Available
REFRACTIVE INDEX:	1.426
MIXED ANILINE POINT (Acid Insol):	86 C / 188 F
VOCs (>0.044 Lbs/Sq In) :	Not Available
TOTAL VOC'S (TVOC)*:	5.8 Lbs/Gal
NONEXEMPT VOC'S (CVOC)*:	5.8 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	0.0 Wt%
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	Not Available
VISCOSITY @ 20 C (ASTM D445):	Not Available

\* Using CARB (California Air Resources Board Rules).

## SECTION 10. STABILITY & REACTIVITY

REACTIVITY & CHEMICAL STABILITY:  
 Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS & CONDITIONS TO AVOID:  
 Isolate from oxidizers, heat, & open flame.

INCOMPATIBLE MATERIALS:  
 Reacts with strong oxidants, causing fire & explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS:  
 Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION:  
 Will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

### ACUTE HAZARDS

EYE & SKIN CONTACT:  
 Primary irritation to skin, defatting, dermatitis.  
 Primary irritation to eyes, redness, tearing, blurred vision.  
 Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:  
 Anesthetic. Irritates respiratory tract. Acute overexposure  
 can cause serious nervous system depression. Vapor harmful.

SWALLOWING:  
 Harmful or fatal if swallowed.  
 Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.  
 The symptoms of chemical pneumonitis may not show up for a few days.

### SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:  
 Pre-existing disorders of any target organs mentioned in this SDS can be  
 aggravated by over-exposure by routes of entry to components of this product.  
 Persons with these disorders should avoid use of this product.

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**SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)**

**CHRONIC HAZARDS**

**CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:**

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

**TARGET ORGANS:** May cause damage to target organs, based on animal data.

**IRRITANCY:** Irritating to contaminated tissue.

**SENSITIZATION:** No component is known as a sensitizer.

**MUTAGENICITY:** No known reports of mutagenic effects in humans.

**EMBRYOTOXICITY:** No known reports of embryotoxic effects in humans.

**TERATOGENICITY:** No known reports of teratogenic effects in humans.

**REPRODUCTIVE TOXICITY:** No known reports of reproductive effects in humans.

A **MUTAGEN** is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate across generational lines. An **EMBRYOTOXIN** is a chemical which causes damage to a developing embryo (such as: within the first 8 weeks of pregnancy in humans), but the damage does not propagate across generational lines. A **TERATOGEN** is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A **REPRODUCTIVE TOXIN** is any substance which interferes in any way with the reproductive process.

**MAMMALIAN TOXICITY INFORMATION**

No mammalian information is available on this product.

**SECTION 12. ECOLOGICAL INFORMATION**

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**EFFECT OF MATERIAL ON PLANTS AND ANIMALS:**

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

**EFFECT OF MATERIAL ON AQUATIC LIFE:**

No aquatic environmental information is available on this product. Environmental effects of the substance have not been investigated adequately.

**MOBILITY IN SOIL**

This material is a mobile liquid.

**DEGRADABILITY**

This product is partially biodegradable.

**ACCUMULATION**

Bioaccumulation of this product has not been determined.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal.

**ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES.**

**SECTION 14. TRANSPORT INFORMATION**

MARINE POLLUTANT: No  
DOT/TDG SHIP NAME: NONBULK: Not Regulated  
BULK: NA1993, Combustible Liquid, n.o.s.  
(contains: Odorless Mineral Spirits), PG-III

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#### **SECTION 14. TRANSPORT INFORMATION (CONTINUED)**

Combustible liquid. Not DOT regulated on trucks in containers of < 119 gallons.  
 DRUM LABEL: None (Combustible Liquid)  
 IATA / ICAO: Flammable Liquids, n.o.s.  
 (Contains: Odorless Mineral Spirits), 3, PG-III  
 IMO / IMDG: UN1993, Flammable Liquids, n.o.s.  
 (Contains: Odorless Mineral Spirits), 3, PG-III  
 EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

#### **SECTION 15. REGULATORY INFORMATION**

##### **EPA REGULATION:**

SARA SECTION 311/312 HAZARDS: Acute Health, Fire



All components of this product are on the TSCA list.  
 This material contains no known products restricted under SARA Title III,  
 Section 313 in amounts greater or equal to 1%.

##### **STATE REGULATIONS:**

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN  
 CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):  
 This product contains no chemicals known to the State of California  
 to cause cancer or reproductive toxicity.

##### **INTERNATIONAL REGULATIONS**

The identified components of this product are listed on the chemical inventories  
 of the following countries:  
 Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS),  
 Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC),  
 Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

##### **CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)**

B3: Combustible Liquid.  
 D2B: Irritating to skin / eyes.

This product has been classified in accordance with hazard criteria of the Controlled  
 Products Regulations (CPR) and the SDS contains all information required by the CPR.

#### **SECTION 16. OTHER INFORMATION**

##### **HAZARD RATINGS:**

HEALTH (NFPA): 0, HEALTH (HMIS): 1, FLAMMABILITY: 2, PHYSICAL HAZARD: 0  
 (Personal Protection Rating to be supplied by user based on use conditions.)  
 This information is intended solely for the use of individuals  
 trained in the NFPA & HMIS hazard rating systems.

##### **EMPLOYEE TRAINING**

See Section 2 for Risk & Safety Statements. Employees should be made aware  
 of all hazards of this material (as stated in this SDS) before handling it.

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#### **NOTICE**

Hydro-Force Manufacturing disclaims all expressed or implied warranties of merchantability or  
 fitness for a specific use, with respect to the product or the information provided herein,  
 except for conformation to contracted specifications. All information appearing herein  
 is based upon data obtained from manufacturers and/or recognized technical sources.  
 While the information is believed to be accurate, we make no representations as to its  
 accuracy or sufficiency.  
 Conditions of use are beyond our control, and therefore users are responsible for  
 verifying the data under their own operating conditions to determine whether the product  
 is suitable for their particular purposes and they assume all risks of their handling,  
 and disposal of the product. Users also assume all risks in regards to the publication  
 or use of, or reliance upon information contained herein.  
 This information relates only to the product designated herein, and does not relate to  
 its use in combination with any other material or process.