

MATERIAL SAFETY DATA SHEET

Emergency: (888) 783-0036

TACTICAL BLITZ™

SECTION I: IDENTIFICATION

Product Trade Name: TACTICAL BLITZ™
Synonyms: Proprietary Lost Circulation Material Pill Package
Chemical Family: Mixture
CAS Red No.: Mixture

SECTION II: MANUFACTURER INFORMATION

Manufacturer/Supplier: Tactical Oilfield Products, Inc.
810 W. 21st St.
Houston, Texas 77008
888-783-0036
Phone: 888-783-0036
Fax: 713-513-5323 / 337-824-2421
Email: brichard@tacticaloilfieldproducts.com
Revision Date: 02/15/2012

SECTION III: HAZARDOUS INGREDIENTS INFORMATION

<u>Hazardous Components</u>	<u>CAS Number</u>	<u>% By Wt.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Crystalline silica (Quartz)	14808-60-7	< 1	0.1 mg/m3*	0.1 mg/m3**
Zinc Oxide	64742-04-7	0.5 - 2	5 mg/m3	N/A
Sulphur	07704-34-9	0.5 - 2	5 mg/m3	10 mg/m3
Stearic Acid	00057-11-4	0.5 - 2	N/A	N/A
Proprietary***	Various	> 93	NE	NE

* Respirable Dust

** The specific chemical identity of this material is being withheld as a trade secret. It will be provided in accordance with the provisions of 29 CFR Part 1910.1200 (i). In the event of a medical emergency, it will be provided to a treating physician or nurse through utilization of the above Emergency Telephone Number.

HMIS RATINGS

DEGREE OF HAZARD

Health	1	4 = Severe
Flammability	1	3 = Serious
Reactivity	0	2 = Moderate
Personal Protective	E	1 = Slight
		0 = Minimal

SECTION IV: PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity: 1.36 – 1.38 Color: Dark Grey
Melting Point: N/A Appearance: Medium-Coarse Powder Texture
Vapor Pressure: N/A Solubility In Water: Negligible
Vapor Density: N/A %Volatile by Volume: Negligible
Particle Size Ranges: Variable

SECTION V: REACTIVITY INFORMATION

Stability: Stable Hazardous Polymerization: Will not occur.
Conditions to avoid: Combustion Hazardous Decomposition Products: Not Established
Incompatibility (Materials to avoid): Oxygen Difluoride, Chlorine, Trifluoride, Hydrofluoric Acid.

SECTION VI: FIRE AND EXPLOSION HAZARDS

Extinguishing Media: Water, dry chemical, foam, or carbon dioxide(CO₂). Use extinguishing media appropriately for surrounding.
Flash Point (COC): N/A Auto-ignition Temperature: N/A Flammable Limits: UEL: N/A LEL: N/A
Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Use NIOSH approved self-contained breathing apparatus (SCBA) and other protective equipment and/or garments as conditions warrant. Use water fog or spray to cool exposed containers and equipment.

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SECTION VII: EMERGENCY & FIRST AID INFORMATION

Skin: Wash with soap and water.
Eyes: Flush thoroughly with water, see physician if eye irritation persists.
Ingestion: Give two (2) glasses of water and induce vomiting, only if subject is conscious.
Inhalation: Immediate remove from exposure. If breathing is difficult, give oxygen. Seek medical attention, if necessary.
OSHA Permissible Exposure Limit: None Established
AGGIH Threshold Limit Value: None Established

SECTION VIII: HEALTH HAZARD DATA

Note: This product has not been tested by Tactical Oilfield Products, Inc. to determine its specific health hazards. The information provided in this section includes health hazard information for the product components.

Routes of Entry: Inhalation, Ingestion, Skin

Effects of Overexposure:

Acute:

Eyes: slight to moderate eye irritation.

Skin: moderately irritating.

Inhalation: Irritating to mucous membranes and respiratory tract.

Ingestion: May cause irritation to the gastrointestinal tract.

Chronic: There is sufficient evidence for the carcinogenicity of solvent extract from heavy paraffinic distillates in experimental animals.

Toxicological Properties:

May aggravate pre-existing dermatitis. Certain formulations contain trace nitrosamines, some of which are carcinogenic in animals' experiments.

Carcinogenicity: N/A

NTP: N/A

IRAC Monographs: Yes

OSHA Regulated: No

Other Information: This product contains petroleum oils similar to ones categorized by the International Agency for Research on Cancer (IARC) as causing skin cancer in mice after prolonged and repeated contact. Any potential hazard can be minimized by using recommended protective equipment to avoid skin contact and by washing thoroughly after handling.

SECTION IX: SPILL, LEAK & DISPOSAL INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Collect in a manner appropriate for its physical condition.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in a cool dry well ventilated area, away from direct sunlight.

WASTE DISPOSAL METHOD:

Dispose of in accordance with Federal, State and Local regulations.

SECTION X: PROTECTION EQUIPMENT & INFORMATION

Ventilation Type Required: Ventilation should be provided at processing machinery to control fumes and odors. Fumes generated during processing or when overheated may be irritating. Collect in a manner appropriate for its physical condition.

Respiratory Protection: Use NIOSH approved respirator for protection against dust.

Protective Gloves: Wear gloves, minimize contact with product, and wash skin after handling.

Eye Protection: Use of safety glasses or face shield recommended.

Other Protective Equipment: Synthetic apron.

SECTION XI: SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Caution should be taken with this material so that prolonged contact with skin and contact with eyes does not occur.

SECTION XII: TRANSPORTATION INFORMATION

UN/NA Number: N/A Hazard Class: N/A IMDG Class: N/A

Packing Group: N/A ICAO/IATA Class: N/A TDG Class: N/A

SECTION XIII: DISCLAIMER INFORMATION

As the conditions or methods of use are beyond our control, Tactical Oilfield Products (T.O.P.) does not assume any responsibility and expressly disclaims any liability for any use of this product. The information contained herein is believed to be true and accurate, but all statements and/or suggestions are made without warranty, expressed or implied, regarding accuracy of the information. The hazards connected with the use of the material or the result to be obtained from the use thereof. Compliance with all applicable federal, state and local laws and local regulations remain the responsibility of the user.

This bulletin can't cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to you employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee instructional programs in your operation.