


1 INK-STAMP LOT NUMBER ON PRE-PRINTED LABEL.

MATERIAL: BMS		POLYMER: BPS		HEAT TREAT: BHS		COATING: BCS		REF DWG:		CATEGORY: 3F2-1		TOLERANCES FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED .X ± .06 .XX ± .03 .XXX ± .015 Y ± Z ALL ANGLES TO BE 25°-50° ALL DIMENSIONS ARE IN INCHES CHECK HARDNESS AT STAMPED PRODUCT NUMBER LOCATION		SUPERSEDES		DATE 01-12-01		DRAWING NO. 758		PAGE 1			
												MATERIAL NO. H437641500		PRODUCT FAMILY H43764		013-00		OF 3					
												DRAWN BY: C MURRAY		CHECKED: NMD		APPROVED: JHK							
												TITLE #05 STANDARD POWER CHARGE				© 2001 BAKER HUGHES INCORPORATED THIS DOCUMENT (TOGETHER WITH THE INFORMATION THEREON) IS THE PROPERTY OF BAKER HUGHES INCORPORATED. (BAKER) IS CONFIDENTIAL AND IS AN UNPUBLISHED COPYRIGHT WORK. WITH ALL RIGHTS RESERVED TO BAKER. THIS DOCUMENT IS SUBJECT TO RETURN ON DEMAND. IT MAY NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF BAKER. IT MAY NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO BAKER'S INTEREST.							
												MATERIAL: SHOWN ABOVE (REF.)				 Baker Oil Tools							
DATE	REV	REVISION DESCRIPTION	BY	CHK	APP	DATE	REV	REVISION DESCRIPTION	BY	CHK	APP	DATE	REV	REVISION DESCRIPTION	BY	CHK	APP	DATE	REV	REVISION DESCRIPTION	BY	CHK	APP
						01-12-01	L 17	REDRAWN ON MICROSTATION FOR CLARITY	CJM	NMD	JHK												
SIZE/DIMENSIONS:			GROSS WEIGHT:			UNIT OF WEIGHT: LB			VOLUME:			UNIT OF VOLUME: FT3			GENERATED ON THE MicroStation CAD SYSTEM								

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PRO-PACK TESTING LABORATORY, INC.

2385 AMANN DRIVE
BELLEVILLE, ILLINOIS 62220
618-277-1160 FAX 618-277-1163
www.propacktestlab.com

Test Report No.: 12-09-38
Date of Report: October 23, 2012
Date of Completion: October 05, 2012

DEPARTMENT OF TRANSPORTATION PERFORMANCE ORIENTED PACKAGE TESTING CERTIFICATION

Performed by:

Pro-Pack Testing Laboratory, Inc.
2385 Amann Drive
Belleville, IL 62220

Testing Performed for:

Baker Hughes Oilfield Operations
6192 AR 203 Hwy
Hampton, AR 71744

Contact:

Scott Pickett

Performance Oriented Package Testing
of a UN 4G Fiberboard Box with
10 Fiberboard Tubes

Pack ID 10 Standard Box

NEW MARKINGS



4G / Y6.9 / S / ** / USA / +AI 4193

Signature of Certifying Individual: _____

Manuel Rosa, Jr.
CPP, CPLP
President

** = Last two digits of year pack was manufactured



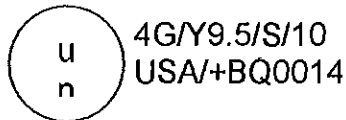
Test Report: N004043-1
Date of Report: 21 June 2010
Date of Testing: 19 June 2010
Purchase Order Number: 4250

**DEPARTMENT OF TRANSPORTATION
PERFORMANCE ORIENTED PACKAGE TESTING
CERTIFICATION**

Performed by:
National Technical Systems
Highland Industrial Park
Building K-5
Camden, AR 71701
870-574-1335

Testing Performed for:
BHT PRODUCTS
Rt 1 Box 196
Hampton, AR 71744
(870) 798-2486

Design Verification of a Single Walled
UN 4G Fiberboard Box



Approved by:  Date: 21 June 2010
Eric Loucks, Manager Quality Assurance/Safety

Approved by:  Date: 21 June 2010
Keith Dixon, Program Engineer

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured by: BHT PRODUCTS To the specifications of: BAKER OIL TOOLS
RT. 1 BOX 196 HOUSTON, TEXAS
HAMPTON, ARKANSAS 71744
870-798-2487

Emergency Phone Number: Chemtrec: 800-424-9300

Product Name: #05, #10 & #20 Standard Power Charge
Product Number: H437641500, H437642113, H437643223
Synonyms: None
Formula: Trade Secret

2. COMPOSITION/INFORMATION ON INGREDIENTS

Trade Secret Ingredients

3. HAZARDS IDENTIFICATION

Emergency Overview :
Potential Health Effects: Acute overexposure may cause nausea, dizziness, diarrhea, bluish face and hands and rapid breathing. Chronic overexposure may cause weakness, general depression, headache and mental impairment. Component is an allergen that has been known to cause photosensitization of the skin.
Eye: Irritant, may cause burns.
Skin: Irritant, may cause burns.
Ingestion: Moderately toxic.
Inhalation: Moderately toxic. Component is an irritant to mucous membranes and may cause sneezing and small nasal ulcerations.

Medical Conditions Aggravated by Exposure: None listed.

4. FIRST AID MEASURES

First Aid Procedures: Remove victim from exposure area. Remove contaminated clothing and shoes. Wash affected area with soap and water. Obtain medical attention.
Eye: Flush eyes with running water for 15 minutes. Contact physician.
Skin: Flush affected area with water, wash thoroughly with soap and water.
Ingestion: Induce vomiting. Contact physician.
Inhalation: Remove to fresh air. Have victim blow nose to remove substance, but discourage sniffing. Administer oxygen if breathing is difficult. Contact physician.

Note to physicians: No applicable information available.
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5. FIRE FIGHTING MEASURES

MATERIAL SAFETY DATA SHEET

Flash Point: Not applicable.	Method: Flood with water.
Auto ignition Temperature: > 400°F	

Flammability Limits in Air: Contains oxidizer and fuel, does not require air for combustion.	
Lower Explosive Limit (LEL): Not applicable, will not detonate.	Upper Explosive Limit (UEL): Not applicable, will not detonate.

NFPA Classification	
Health: Not Rated	Reactivity: Not Rated
Fire: Not Rated	Specific Hazard: Not Rated

Extinguishing Media: Flood with water to cool fire and hinder propagation.	
Flammable Properties: Contains oxidizer and fuel. Does not require air for combustion.	Firefighting Instructions: Use unmanned water hose and withdraw from area until fire is out. If manned entrance is required, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
Hazardous Combustion: Combustion will produce toxic fumes (fumes may be carcinogenic).	Unusual Fire and Explosion Hazards: Combustion produces large volumes of gas. Combustion within a sealed container may result in violent rupture.

6. ACCIDENTAL RELEASE MEASURES

Spill Information: Evacuate spill area until dust settles or appropriate PPE can be obtained. Do not touch or walk through spilled material. Keep ignition sources and flammable materials away from spilled material. Do not smoke. Keep material dry. If wet, absorb liquid with sand or other non-combustible material. Sweep or scoop up material into a clean, dry container and cover loosely. Move container to hazardous waste storage and label properly. Do not use water to clean up spills or porous or wood surfaces (surface may become impregnated with material).

7. HANDLING AND STORAGE

Handling: Keep away from heat, ignition sources and flammable materials. No smoking, open sparks or open flame in area.
Storage: Store in dry area away from heat, ignition sources and flammable materials. Keep in closed, original shipping containers or approved magazine.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: If handled in a confined area, insure adequate ventilation to prevent inhalation of dust.
Personal Protective Equipment: PPE not required for normal use. Use when containers are damaged or excessive dust is present.
Respiratory: Proper respiratory protection should be determined by adequately trained personnel,

MATERIAL SAFETY DATA SHEET

based on the contaminants, degree of potential exposure and published respiratory protection factors. The equipment should be available for nonroutine and emergency use. OSHA protocol for respirator use and fit-testing should be followed.
Skin: Wear general purpose protective clothing and gloves to prevent contact.
Eye: Dust resistant safety goggles or glasses. Have eye-wash station available within immediate work area for emergency use.

EXPOSURE GUIDELINES	
COMPOUND	RECOMMENDED EXPOSURE LIMIT
	TWA
Trade Secret Ingredient	500 ppm
ppm = parts per million	

9. PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight: No applicable information available.	pH: No applicable information available.
Boiling Point: No applicable information available	Specific Gravity: Not applicable
Melting Point: No applicable information available.	Vapor Pressure: Negligible
Vapor Density (air = 1): No applicable information available.	Percent Volatile: No applicable information available.
Solubility in Water: Insoluble	Physical State: Tar-like consistency
Appearance and Odor: Black color. Slight solvent odor.	Density: Not applicable

10. STABILITY AND REACTIVITY

Stability: Product contains oxidizing and reducing agents and is potentially unstable.	Hazardous Polymerization: Will not occur.
Incompatibility: Ethanol	Hazardous Reactions/Decomposition: Ignites at high temperatures.
Conditions to Avoid: Extreme heat, generation of dust.	

11. TOXICOLOGICAL INFORMATION

Target Organs: No applicable information available.	Primary Routes of Entry: No applicable information available.		
Product listed as a Carcinogen or Potential Carcinogen by			
NTP: No	IARC: No	OSHA: No	Other: No

Component Toxicity
Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic Nitrogen Oxide fumes. Experimental reproductive effects. Has been implicated in aplastic

MATERIAL SAFETY DATA SHEET

anemia. Absorption can cause kidney injury. The dust may cause fibrosis of the lungs. Roasting or calcining at high temperatures produces cristobalite, and tridymite, thus increasing the fibrogenicity of the material.

12. ECOLOGICAL INFORMATION

No applicable information available.

13. DISPOSAL CONSIDERATIONS

Dispose of product in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of explosive materials. Observe federal, state and local laws.

RCRA Hazard Class: No applicable information available.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

Proper Shipping Name: Flammable Solid, Organic, n.o.s. (contains strontium nitrate and potassium perchlorate mixture)

Hazard Class: 4.1 Flammable Solid

Identification Number: UN1325

Packing Group: II

15. REGULATORY INFORMATION

TSCA Components of this product are listed on the TSCA Inventory.

CERCLA No applicable information available.

SARA TITLE III

Reportable Quantity: (The reportable quantity for mixtures is based on the component with the lowest reportable quantity and its percentage in the product.)

100,000 lbs.

Section 302/304 Extremely Hazardous Substances: None

Section 313 Toxic Chemicals: None

16. OTHER INFORMATION

This product is designed for use exclusively in Baker Oil Tools equipment. It must be handled only in strict compliance with published Baker Oil Tools procedures. Use of this product in other

MATERIAL SAFETY DATA SHEET

equipment or in any manner inconsistent with Baker Oil Tools published procedures may result in damage to property or personal injury. BAKER OIL TOOLS EXPRESSLY LIMITS ITS WARRANTY AND ALL OTHER RESPONSIBILITY FOR ITS PRODUCT TO USES AND FOR HANDLING CONSISTENT WITH BAKER OIL TOOLS PUBLISHED PROCEDURES.

DISCLAIMER

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July 19, 1995

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January 1, 2006