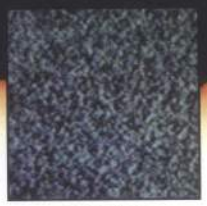
CONSTRUCTION

MOBILE HOME INTERIORS

UNIFORMS



CARPETING

FURNISHINGS

HOLIDAY DECORATIONS

STORAGE BOXES

Fire BLOCK Fire Retardant

- Non-Toxic
- Non-Corrosive
- Biodegradable
- Environmentally Friendly
- Does Not Stain
- Safe to Store
- Easy to Use

Fire Block is a specially formulated environmentally friendly product, which is used to retard fire in all Class A materials.

Fire Block is a revolutionary product, which works to form its own thermal insulation barrier to prevent dangerous flames from spreading. **Fire Block** also inhibits the development of toxic hydrocarbon smoke.

Applications: Use to treat Class A materials or surfaces such as wood, pre-construction, furnishings, carpeting, uniforms, packaging materials, motor home interiors, holiday decorations and storage boxes for added safety against fire. It can also be mixed with latex paint.

Directions: **Fire Block** is easy to use. Just spray **Fire Block** on the item or surface being treated. In bulk applications you may also dip the item to be treated and allow it to drip dry. In all applications allow **Fire Block** to completely penetrate the item or surface. Allow material to dry completely. If you are using **Fire Block** to fire retard clothing, fabrics, etc. and plan to wash these items, it is recommended that **Fire Block** be reapplied after the third washing, as some of the products effectiveness will be diminished due to washing. When mixing **Fire Block** with latex paint, for best results mix an equal amount of **Fire Block** with an equal amount of paint.

Manufactured by:

FIREFREEZE
WORLDWIDE INC.
"Seeing IS Believing"

For Safety at Home and on the job!

270 Rt. 46 East ▪ Rockaway, NJ 07866 ▪ Tel: (973) 627-0722 ▪ Fax: (973) 627-2982
email: info@firefreeze.com ▪ website: www.firefreeze.com

Fire BLOCK Fire Retardant

Technical Information:
Fire Block fire retardant was tested in accordance with NFPA 255 and ASTM-E84 Test for Flame Spread and Smoke Development Values by SGS US Testing for Class A (wood, paper, furnishings etc.) materials.

Test Results are as follows:

Test Specimen:	Fire Block Fire Retardant	Rating Classification
Flame Spread Index:	15	0-25
Smoke Developed Value:	25	0-450

Since Fire Block falls into accordance with the rating classification shown above, it is considered an acceptable fire retardant product in accordance with NFPA 255.

Fire Block has performed complete DOT corrosion testing and the results are as follows:

	Corrosion Rate	
	Mm/yr.	**in./yr.**
Aluminum:	<0.01; 0.01	<0.001; <0.001
Steel:	<0.06; 0.07	0.002; 0.003

Comments:
Per 49 CFR 173.137 (c) (2) a liquid is considered to have a sever corrosion rate if its corrosion rate exceeds 6.25 mm (0.246 inches) a year on steel (SAE 1020) or aluminum (non-clad 7075 T-6) at a test temperature of 55(C (131(F).

Availability:
Fire Block is available in a convenient 32 ounce pump spray (12 bottles/case) or can be purchased in 5 and 55 gallon drum quantities for bulk applications. No mixing is required.

Fire Block is considered to be non-toxic. Toxicity Information and MSDS are available on request.

Manufactured by:

FIREFREEZE WORLDWIDE INC

270 Rt. 46 East ▪ Rockaway, NJ 07866
Tel: (973) 627-0722 ▪ Fax: (973) 627-2982
email: info@firefreeze.com ▪ website: www.firefreeze.com

01/05/08

FIRE BLOCK
FIRE RETARDANT

The FIRE BLOCK Fire Retardant is a fire retarding agent specially formulated to effectively and safely retard all Class A materials. Developed from the extraordinary life saving and fire fighting Cold Fire, rapid cooling fire extinguishing agent, the FIRE BLOCK Fire Retardant is a unique and revolutionary product, which retards fires by stopping dangerous flames from spreading. The FIRE BLOCK Fire Retardant works to actually form its own insulation barrier to prevent dangerous flames from spreading. The FIRE BLOCK Fire Retardant also inhibits the development of hydrocarbon smoke. The FIRE BLOCK Fire Retardant is non-flammable, safe to store, handle and use, leaves no residue; and is environmentally safe.

Capabilities	
Retarding Power:	After treatment of retardant on all Class A type surfaces there is zero flame spread.
Applications:	Spray on Class A surfaces of all types (wood, paper, cotton, furnishing, all non-polymer surfaces).
Clean up:	None needed. Leaves no residue.

Characteristics	
pH:	pH of concentrate is 7.0
Flash Point:	Negligible.
Boiling Point:	212°F.
Odor:	Mild smell. Does not contain d-limonenes. Light straw color.
Water Solubility:	Complete.
Shelf Life:	Indefinite when stored in closed containers between 32°F and 120°F.
Dilution Strength:	Do not dilute. Use in concentrated form.
Residue:	Product leaves little to no residue.

Environmental and Safety Considerations	
Biodegradability:	100% in 21 days under ideal conditions.
Hazardous Components:	No components are listed in the NIOSH Recommendations for Occupational Health Standards, 1988, or are defined as hazardous by SARA, CERLA, or RCRA. No OSHA PEL's are established for other ingredients.
Handling:	Retardant is neutral. It will remove oil from the skin and will irritate the eyes if sprayed directly into them. When handling bulk concentrate, eye protection, gloves, and impervious clothing should be worn when there is danger of splashing, prolonged exposure to vapor, or prolonged skin contact, as with all chemicals. Do not ingest, splash into eyes, or inhale for prolonged periods.
Disposal:	Retardant itself may be disposed through municipal systems.

FIREFREEZE Worldwide, Inc.
272 Route 46, Rockaway, N.J. 07866
Tel: (973) 627-0722 Fax: (973) 627-2082

01/05/08

MATERIAL SAFETY DATA SHEET

FIRE BLOCK FIRE RETARDANT

Manufacturer:	FIREFREEZE Worldwide, Incorporated		
Address:	272 Route 46, Rockaway, N.J. 07866		
Phone:	(973) 627-0722	**Fax:**	(973) 627-2982
Date Prepared:	Jan 5th, 2008	**Formulation #:**	**JG302R**
Trade Name:	**FIRE BLOCK**		
Product:	Class A Fire Retardant		

No components are believed to be hazardous, or listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PEL's are established for any of the other ingredients.

Boiling Point: 212°F. **Vapor Pressure (mm Hg):** Same as water.
Solubility in water: 100% **Specific Gravity:** 1.09 @ 60°F.
pH: 7.0 **Appearance and Odor:** Straw colored liquid, mild smell. (Note: contains no d-limonenes.)

Flash Point: Not applicable **Flammable Limits:** Non-flammable.
LEL: Not applicable. **UEL:** Not applicable.
Extinguishing Media: Not applicable.
Special Fire Fighting Procedures: None. **Unusual Fire and Explosion Hazards:** None.

Stability: Stable. **Incompatibility:** None.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.
Hazardous Polymerization: Will not occur.

Exposure Limits

OSHA PEL:	Not established.	**ACGIH TLV:**	Not established.

Routes of Entry

Inhalation:	Yes	**Skin:**	Yes	**Ingestion:**	Yes

Signs and Symptoms of Exposure

Skin: Negligible hazard. Not a primary skin irritant.
Eyes: Not a primary ocular irritant.
Inhalation: Negligible.
Ingestion: Hazard is extremely low. Material is considered non-toxic.

First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes, as per OSHA standards. Seek medical aid if irritation persists.
Skin: Flush affected area and wash with water.
Inhalation: Negligible.
Ingestion: Drink water. Obtain medical attention if necessary.

Carcinogenicity
NTP? No **IARC?** No **OSHA Regulated?** No

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or Leak Procedures
Rinse affected area with water. Will not harm the environment.
Waste Disposal Method
Dispose as non-hazardous waste in accordance with local regulations.
Storage and Handling Precautions
Store in temperatures from 32°F to 120°F in closed containers to prevent evaporation and deterioration. Freezing will not damage material as long as container remains intact.
Other Precautions
Although components have low hazard levels, the product will remove oils from the skin like the common soap. Avoid prolonged skin contact.

SECTION VIII - CONTROL MEASURES

Respiratory Protection
Not required.
Ventilation
No special ventilation is required.
Protective Gloves
Wear if there is prolonged skin contact with product.
Eye Protection
Wear if needed to prevent reasonable probability of eye contact.
Work/Hygienic Practices
Do not ingest, splash into eyes, and do not inhale for prolonged periods.

SECTION IX - TRANSPORTATION DATA

IMO Hazard Class and Number: Non-hazardous. **UN Number:** Not applicable.
US DOT Hazard Class: Not regulated by DOT **US DOT Identification Number:** Not applicable.

SECTION X - ENVIRONMENTAL DATA

Biodegradability: Product is 100% biodegradable in an active environment within 21 days.
Toxicity: In accordance with U.S. EPA Office of Pollution Prevention and Toxins criteria for ranking the acute toxicity of chemicals, ColdFire, Fire Retardant is considered to be of low concern.

The information presented in this MSDS is believed to be factual. However, nothing contained in this information is to be taken as a warranty of any kind by FIREFREEZE Worldwide, Inc. The user should review any recommendations, in the specific context of the intended use, to determine whether they are appropriate.

FIREFREEZE Worldwide, Inc.
272 Route 46, Rockaway, N.J. 07866
Tel: (973) 627-0722 Fax: (973) 627-2082

SGS U.S. Testing Company Inc.

291 Fairfield Avenue
Fairfield, NJ 07004
Tel: 201-575-5252
Fax: 201-575-8271

REPORT OF TEST

CLIENT: FIREFREEZE WORLD WIDE INC.
270 ROUTE 46
ROCKAWAY, NJ 07866

SUBJECT: Surface Burning Characteristics of Building Materials

AUTHORIZATION: Client's order for test dated October 9,1996 per Mike Trulby.

SAMPLE ID: One (1) sample was submitted on 10/15/96 and identified by the Client as:
COLD FIRE FIRE RETARDANT / 1/2" PLYWOOD

TEST PROCEDURE: The submitted sample was tested for Flammability in accordance with the procedures outlined in ASTM E-84-95.

TEST DATES: 10/15/1996

PREPARED BY:

Steve Caldarola, Manager
Fire Technology

SIGNED FOR THE COMPANY BY:

Frank Pepe, Director
Standards Testing & Material Evaluation

SGS U.S. Testing Company Inc.

CLIENT : FIREFREEZE WORLD WIDE INC.

REPORT NUMBER: 119671
DATE: 10/15/96

REPORT OF TEST

INTRODUCTION:

This report represents test results of Flame Spread and Smoke Developed Values per ASTM E84-95. The report also includes Material Identification, Method of Preparation, Mounting and Conditioning of the specimens.

The tests were performed in accordance with the specifications set forth in ASTM E84-95, "Standard Test Method for Surface Burning Characteristics of Building Materials", both as to equipment and test procedure. This test procedure is similar to UL-723, ANSI No. 2.5, NFPA NO. 255 and UBC 42-1.

The test results cover two parameters: Flame Spread and Smoke Developed Values during a 10-minute fire exposure. Inorganic cement board and red oak flooring are used as comparative standards and their responses are assigned arbitrary values of 0 and 100, respectively.

PREPARATION AND CONDITIONING:

Twelve 24" x 2'0" panels were fitted end to end to form a 24" x 24'0" sample. Since the sample was self-supporting, no further preparation was necessary. The sample thickness was 0.50 inches.

No conditioning as required by the standard was performed prior to test. The samples were tested "as received".

TEST PROCEDURE:

The tunnel was thoroughly pre-heated by burning natural gas. When the brick temperature, sensed by a floor thermocouple, had reached the prescribed 105° Fahrenheit ± 5° Fahrenheit level, the sample was inserted in the tunnel and test conducted in accordance with standard ASTM E84-95 procedures.

SGS U.S. Testing Company Inc.

CLIENT: FIREFREEZE WORLD WIDE INC.

REPORT NUMBER: 119671
DATE: 10/15/96

REPORT OF TEST

TEST RESULTS:

The test results, calculated in accordance with ASTM-E84-95 for Flame Spread and Smoke Developed Values are as follows:

Test Specimen:	COLD FIRE FIRE RETARDANT / 1/2" PLYWOOD
Flame Spread Index*:	15
Smoke Developed Value*:	25

*Graphs of the Flame Spread, Smoke Developed and Time-Temperature are shown in Figures 1, 2 and 3 at the end of this report.

OBSERVATIONS:

Ignition was noted at 1 minute 50 seconds along with charring of the specimen directly exposed to the flame. The flamefront advanced a maximum distance of 6 feet at 9 minutes 15 seconds. Afterburn and afterglow were evident upon test completion

RATING:

The National Fire Protection Association Life Safety Code 101, Section 6-5.3, "Interior Wall and Ceiling Finish Classification", has a means of classifying materials with respect to Flame Spread and Smoke Developed when tested in accordance with NFPA 255, "Method of Test of Surface Burning Characteristics of Building Materials", (ASTM E84).

The classifications are as follows:

Class A Interior Wall & Ceiling Finish:	Flame Spread	-	0-25;
	Smoke Developed	-	0-450
Class B Interior Wall & Ceiling Finish:	Flame Spread	-	26-75;
	Smoke Developed	-	0-450
Class C Interior Wall & Ceiling Finish:	Flame Spread	-	76-200;
	Smoke Developed	-	0-450

Since the sample received a Flame Spread of 15 and a Smoke Developed Value of 25 it would fall into the Class A Interior Wall & Ceiling Finish category.

****

End Of Report

REPORT OF TEST

United States Testing Company, Inc.

SGS U.S. Testing Company Inc.

FLAME SPREAD

SAMPLE COLD FIRE FIRE RETARDANT / 1/2" PLYWOOD

RED OAK

TEST NO. 119671

TEST DATE October 15, 1996

I.C. Board

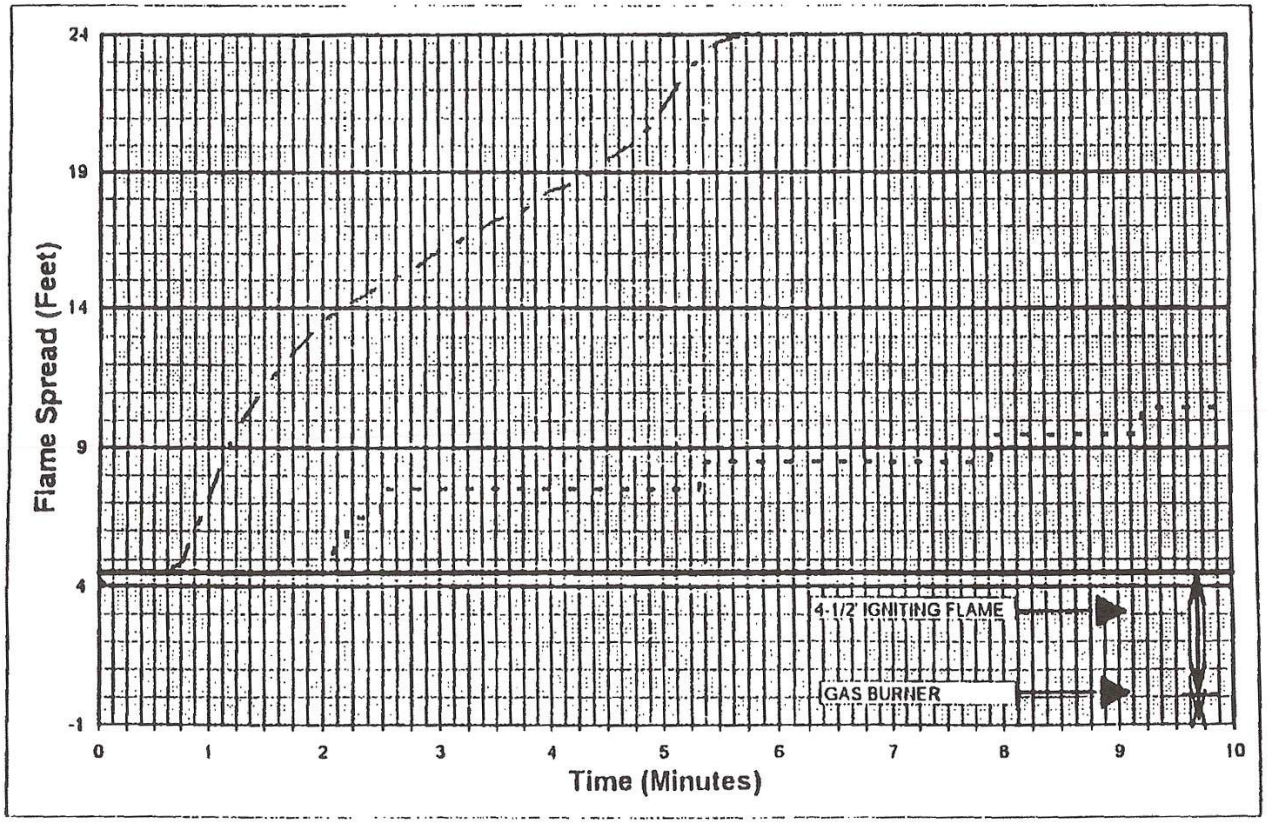


Figure 1

REPORT OF TEST

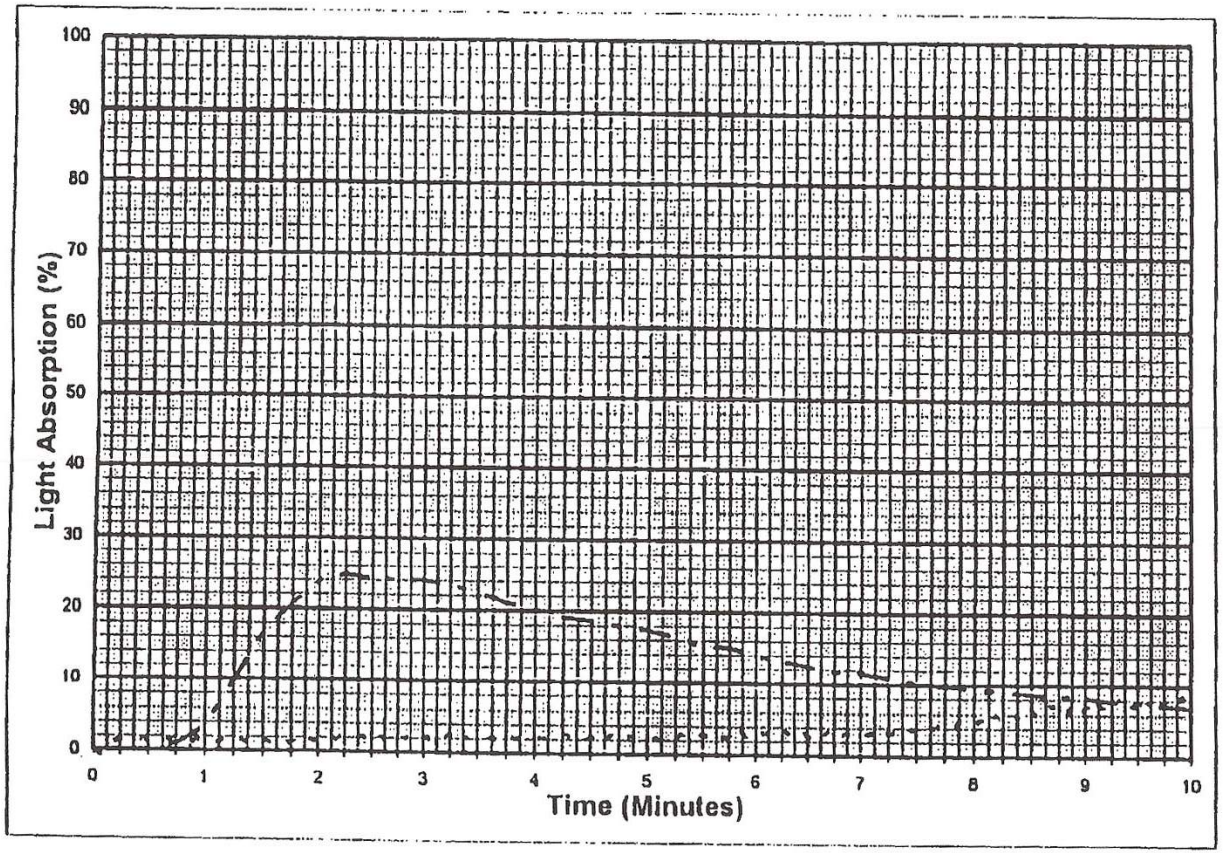
United States Testing Company, Inc.

SMOKE DEVELOPED

SAMPLE COLD FIRE FIRE RETARDANT / 1/2" PLYWOOD

RED OAK

TEST NO. 119671
TEST DAT October 15, 1996
I.C. Board



SGS U.S. Testing Company Inc.

Figure 2

REPORT OF TEST

United States Testing Company, Inc.

TIME-TEMPERATURE CURVE OF EXPOSED THERMOCOUPLE

SAMPLE COLD FIRE FIRE RETARDANT / 1/2" PLYWOOD

RED OAK

TEST NO. 119671
TEST DATE October 15, 1996
I.C. Board

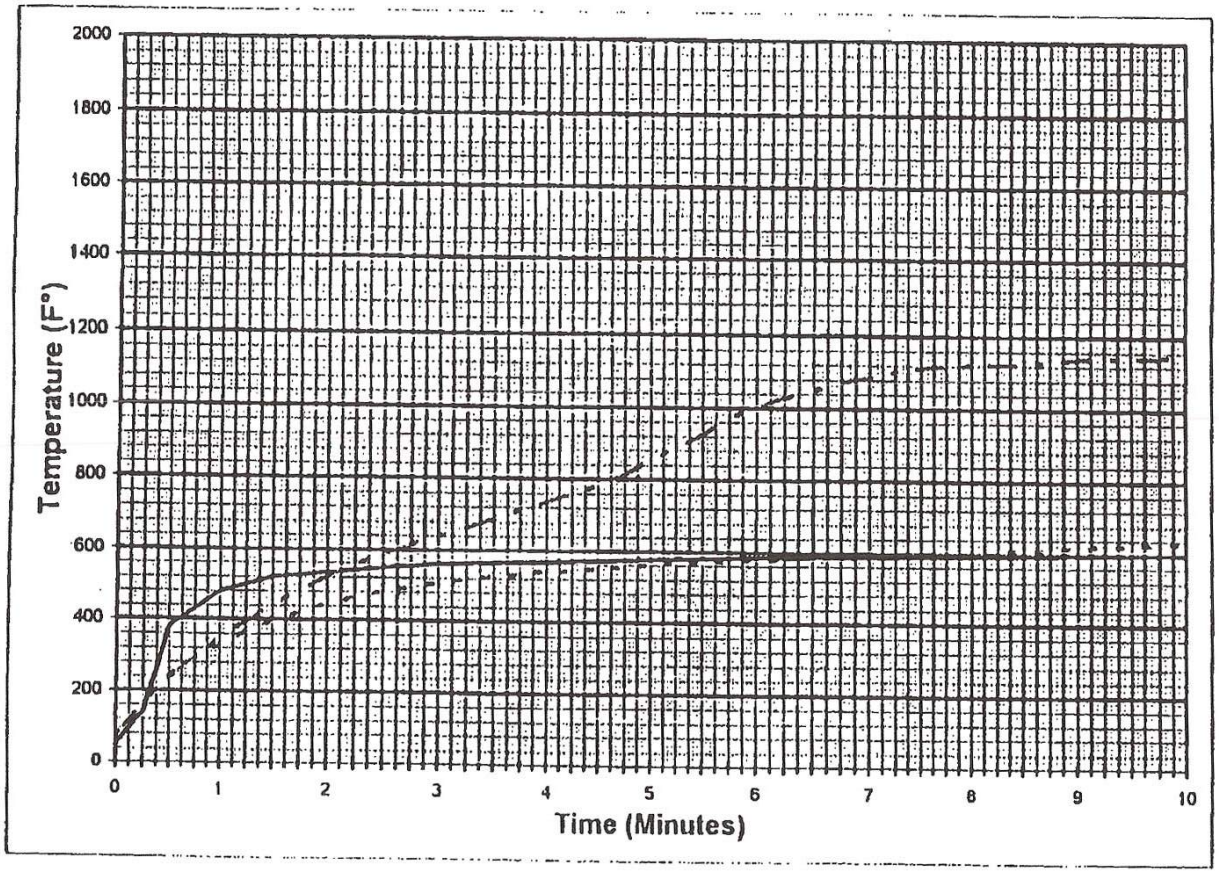


Figure 3

REPORT OF TEST

SGS U.S. Testing Company Inc.
291 Fairfield Avenue
Fairfield, NJ 07004-3833
Tel: 973-575-5252
Fax: 973-244-1694

Report Number: 411507
C/R Number: 100694
Date: 11/10/97
Page: 1 of 2

CLIENT: Firefreeze Worldwide, Inc.
Attn: Ms. Stephaine Giessler
270 Route 46
Rockaway, NJ 07866-0786

SUBJECT: One (1) sample received on 10/10/97 and identified by the client as:

JG-302 CFR

AUTHORIZATION: Client's letter dated 10/10/97.

PURPOSE: To perform DOT corrosion testing (metal) employing the submitted sample.

TEST DATES: 10/29/97 - 11/05/97.

SIGNED FOR THE COMPANY BY:

M Santos

Bernardita Santos
Laboratory Supervisor

Tom Kwodlik/FOR

Joseph Kwiatkowski, Director
Specialty & Applied Chemistry

/mo

SGS U.S. Testing Company Inc.

CLIENT: Firefreeze Worldwide, Inc.

Report Number: 411507
C/R Number: 100694
Date: 11/10/97

REPORT OF TEST

PROCEDURE: Testing was performed in accordance with method as specified in 49 CFR 173.137 (c) (2) ASTM G-31-72 (modified).

Conditions:
Temperature: 55°F
Agitation: none
Volume to Area Ratio: Aluminum: 177 mL/in^2
Steel: 175 mL/in^2
Time: 168 hours
Cleaning: Steel: 20% HaOH, 200 g/L Zn.
Aluminum: HNO_3

RESULTS:

	Corrosion Rate	
	mm/yr	in/yr
Alunimum	<0.01; 0.01	<0.001; <0.001
Steel	0.06; 0.07	0.002; 0.003

COMMENTS: Per 49 CFR 173.137 (c) (2) a liquid is considered to have a severe corrosion rate if its corrosion rate exceeds 6.25 mm (0.246 inches) a year on steel (SAE 1020) or aluminum (nonclad 7075 T-6) at a test temperature of 55°C (131°F).

ENCLOSURE: Certificate of compliance for steel and aluminum.

****

End Of Report

CERTIFICATE OF ANALYSIS

FOR: United States Testing Co. Inc.

DATE 5 May 97

YOUR ORDER NUMBER 1002-116514

OUR INVOICE NUMBER 6152

DESCRIPTION OF MATERIAL

1. 610-7075 Aluminum Alloy, QQ A 250/12 7075 T-6 Bare 1½"DiaX1/8"thick 9/16"hol
2.
3.
4.
5.

CHEMICAL ANALYSIS

HEAT NO.	TI	MN	MG	ZN	SI	FE	CR	CU	AL				
1 MC/1367	.20	.30	2.9	6.1	.40	.50	.28	2.0	REm				
2.													
3.													
4.													
5.													

MECHANICAL PROPERTIES

	TENSILE STRENGTH PSI	YIELD PSI	ELONGATION IN. ____ %	REDUCTION OF AREA ____ %	HARDNESS	BEND TEST	GRAIN SIZE
1.							
2.							
3.							
4.							
5.							

METASPEC Co.

METAL TEST SPECIMEN, COUPONS, PANELS, RODS, FIXTURES, RACKS AND HOLDERS

210/923-5999

P.O. Box 27707 ☐ SAN ANTONIO, TEXAS 78227

We certify that this is an exact duplicate of the records maintained in our files.

By

CERTIFICATE OF ANALYSIS

FOR: UNITED STATES TESTING CO. DATE 5 May 97

YOUR ORDER NUMBER 1002-116514

OUR INVOICE NUMBER 6152

DESCRIPTION OF MATERIAL

1) (St. No. 686-1020)Steel, SAE-1020 CR, 1½Xdia. X1/8"th. with 9/16" hole(MODNACE 01-09)

2)

3)

4)

5)

CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Ni	Cr	Mo	Va	Cu	Zr	Cb
1) AT/2235	.20	.60	.02	.033								
2)												
3)												
4)												
5)												

MECHANICAL PROPERTIES

	TENSILE STRENGTH PSI	YIELD PSI	ELONGATION IN. ____ %	REDUCTION OF AREA ____ %	HARDNESS	BEND TEST	GRAIN SIZE
1)							
2)							
3)							
4)							
5)							

METASPEC Co.

METAL TEST SPECIMEN, COUPONS, PANELS, RODS, FIXTURES, RACKS AND HOLDERS

210/923-5999

P.O. Box 27707 ☐ SAN ANTONIO, TEXAS 78227

We certify that this is an exact duplicate of the records maintained in our files.

By Dudley Bragg

Consumer Product Testing Co.

EST. 1975

FINAL REPORT

CLIENT: Firefreeze Worldwide, Inc.
270 Route 46
Rockaway, New Jersey 07866

ATTENTION: Stephanie E. Giessler
Vice President

TESTS: Primary Dermal Irritation in Rabbits
Primary Ocular Irritation in Rabbits

TEST ARTICLE: Cold Fire Retardant, 10/16/95

EXPERIMENT REFERENCE NUMBER: T95-0191

Michele Bull 11/3/95
Michele Bull, B.A.
Quality Assurance Unit

Steven Nitka
Laboratory Director
Vice President

Date 11/9/95
SN/em

Consumer Product Testing Co.

EST. 1973

QUALITY ASSURANCE UNIT STATEMENT

Study No.: T95-0191

The objective of the Quality Assurance Unit (QAU) is to monitor the conduct and reporting of nonclinical laboratory studies. These studies have been performed under Good Laboratory Practice principles (including government regulations to the extent applicable) and in accordance to standard operating procedures and applicable standard protocols. The QAU maintains copies of study protocols and standard operating procedures and has inspected this study on the date(s) listed below. The findings of these inspections have been reported to management and the Study Director.

Dates of biophase/data inspections: October 26, 1995
November 2, 1995

Professional personnel involved:

Steven Nitka, B.S.	- Vice President Laboratory Director (Study Director)
Lillian Deniza, B.S.	- Laboratory Supervisor
Michael Lutz, B.S.	- Technician
Oliver Shapiro, M.S.	- Director of Quality Assurance and Regulatory Compliance

The representative signature of the Quality Assurance Unit on the front page signifies that this study has been performed in accordance with standard operating procedures, study protocols and the Good Laboratory Practice principles.

12 Spielman Road • Fairfield, New Jersey 07004-3404 • (201) 808-7111 • Fax (201) 808-7234
Corporate Headquarters • Sales • Clinical • Toxicology
10 Industrial Road • Fairfield, New Jersey 07004-3018 • (201) 882-8755 • Fax: (201) 882-8956
Analytical Chemistry • Microbiology

Consumer Product Testing Co.

EST. 1973

Final Report Summary

CLIENT: Firefreeze Worldwide, Inc.
STUDY NO.: T95-0191
REFERENCE: S.E. Giessler
TEST ARTICLE: Cold Fire Retardant, 10/16/95
TEST ARTICLE RECEIPT DATE: October 17, 1995
EXPERIMENTAL INTERVAL: October 24, 1995 to October 27, 1995

Primary Dermal Irritation in Rabbits

Method: Six (6) New Zealand white rabbits each received a single dermal application of one-half of one milliliter (0.5 ml) of the test article on two (2) test sites, one (1) abraded and one (1) non-abraded. The test sites were occluded for 24 hours and were observed individually for erythema, edema, and other effects 24 and 72 hours after application. Mean scores from the 24 and 72 hour readings were averaged to determine the primary irritation index. The test article was used as received.

Results: Primary Irritation Index:* 0.00

Conclusion: According to Federal Hazardous Substances Act Regulations, (16 CFR 1500.41), and under the conditions of this test, this test article is not a primary dermal irritant.

*Refer to Table 2 for specific evaluation.

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Analytical Chemistry • Microbiology

Consumer Product Testing Co.

EST. 1973

Final Report Summary

CLIENT: Firefreeze Worldwide, Inc.
STUDY NO.: T95-0191
REFERENCE: S.E. Giessler
TEST ARTICLE: Cold Fire Retardant, 10/16/95
TEST ARTICLE RECEIPT DATE: October 17, 1995
EXPERIMENTAL INTERVAL: October 23, 1995 to October 26, 1995

Primary Ocular Irritation in Rabbits

Method: Six (6) New Zealand white rabbits, free from visible ocular defects, each received a single intraocular application of one-tenth of one milliliter (0.1 ml) of the test article in one (1) eye. The contralateral eye, remaining untreated, served as a control. The eyes of all animals remained unwashed for 24 hours. Observations of corneal opacity, iritis, and conjunctivitis were recorded 24, 48, and 72 hours after treatment, and at four (4) and seven (7) days if irritation persisted. The test article was used as received.

Results:

	Average Draize Scores				
	Hours			Days	
Group	24	48	72	4	7
Unwashed	0.0	0.3	0.0	----	----

Conclusion: This laboratory finds that this test article is practically non-irritating to rabbits, under the conditions of this test. According to Federal Hazardous Substances Act Regulations, (16 CFR 1500.42), this test article is not an ocular irritant.

12 Spielman Road • Fairfield, New Jersey 07004-3404 • (201) 808-7111 • Fax (201) 808-7234
Corporate Headquarters • Sales • Clinical • Toxicology
10 Industrial Road • Fairfield, New Jersey 07004-3018 • (201) 882-8755 • Fax: (201) 882-8956
Analytical Chemistry • Microbiology

CERTIFICATE OF ANALYSIS

FOR UNITED STATES TESTING CO. DATE 5 May 97

YOUR ORDER NUMBER 1002-116514

OUR INVOICE NUMBER 6152

DESCRIPTION OF MATERIAL

1. (St. No. 686-1020) Steel, SAE-1020 CR, 1½Xdia. X1/8"th. with 9/16" hole(MODNACE 01-69)
2.
3.
4.
5.

CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Ni	Cr	Mo	Va	Cu	Zr	Cb	
1. A72235	.20	.60	.02	.033									
2.													
3.													
4.													
5.													

MECHANICAL PROPERTIES

	TENSILE STRENGTH PSI	YIELD PSI	ELONGATION IN. ____ %	REDUCTION OF AREA ____ %	HARDNESS	BEND TEST	GRAIN SIZE
1.							
2.							
3.							
4.							
5.							

METASPEC Co.

METAL TEST SPECIMEN, COUPONS, PANELS, RODS, FIXTURES, RACKS AND HOLDERS

214/923-5999

P.O. Box 27707 ☐ SAN ANTONIO, TEXAS 78227

We certify that this is an exact duplicate of the records maintained in our files.

By Jackey Bray

CERTIFICATE OF ANALYSIS

FOR: United States Testing Co. Inc.

DATE 5 May 97

YOUR ORDER NUMBER 1002-116514

OUR INVOICE NUMBER 6152

DESCRIPTION OF MATERIAL

1. 610-7075 Aluminum Alloy, QQ A 250/12 7075 T-6 Bare 1½"DiaX1/8"thick 9/16"hole
2.
3.
4.
5.

CHEMICAL ANALYSIS

HEAT NO.	TI	MN	MG	ZN	SI	FE	CR	CU	AL				
1 MC/1367	.20	.30	2.9	6.1	.40	.50	.28	2.0	REm				
2.													
3.													
4.													
5.													

MECHANICAL PROPERTIES

	TENSILE STRENGTH PSI	YIELD PSI	ELONGATION IN. ____ %	REDUCTION OF AREA ____ %	HARDNESS	BEND TEST	GRAIN SIZE
1.							
2.							
3.							
4.							
5.							

METASPEC Co.

METAL TEST SPECIMEN, COUPONS, PANELS, RODS, FIXTURES, RACKS AND HOLDERS

210/923-5999

P.O. Box 27707 ☐ SAN ANTONIO, TEXAS 78227

We certify that this is an exact duplicate of the records maintained in our files.

By M. L. Cole