SAFETY DATA SHEET

RTX9

Section 1. Identification

GHS product identifier

Other means of identification

: RTX9-275-T, RTX9-55-B, RTX9-55-R, RTX9-5-R4, RTX9-5-SK, RTX9-32-12

Product type

: Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

: Not available.

Supplier's details

: Bradley Systems, Inc.

2720 S River Road Suite 146

Des Plaines, IL 60018

Tel: 773-638-9000 Toll Free: 800-252-1114

Fax: 773-638-4002 Web: bradley-systems.com

Emergency telephone

: CHEMTREC, U.S.: 1-800-424-9300 International: +1-703-527-3887

number (with hours of operation)

Section 2. Hazards identification

OSHA/HCS status

: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : P103 - Read label before use.

P102 - Keep out of reach of children.

P101 - If medical advice is needed, have product container or label at hand.

Prevention : Not applicable. Response : Not applicable. Storage : Not applicable. Disposal : Not applicable. Hazards not otherwise : None known.

classified

1/9

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of : RTX9-

identification

: RTX9-275-T, RTX9-55-B, RTX9-55-R, RTX9-5-R4, RTX9-5-SK, RTX9-32-12

CAS number/other identifiers

CAS number : Not applicable.

Product code :

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Get medical attention if irritation

occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get

medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position

comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact
 Inhalation
 No known significant effects or critical hazards.
 Skin contact
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

media

: None known.

Specific hazards arising from the chemical

: No specific fire or explosion hazard.

Hazardous thermal decomposition products

: No specific data.

Special protective actions for fire-fighters

: No special measures are required.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers. water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Advice on general occupational hygiene

- : Put on appropriate personal protective equipment (see Section 8).
- : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid. [Water-like]

Color : Pinkish-red.

Odor : No characteristic odor.

Odor threshold : Not available.

: 10.37

Melting point : Not available. **Boiling point** : 98.889°C (210°F)

Section 9. Physical and chemical properties

Flash point : Closed cup: >204°C (>399.2°F)

Evaporation rate : Similar to water.
Flammability (solid, gas) : Not applicable.
Lower and upper explosive : Not applicable.

(flammable) limits

: <0.13 kPa (<1 mm Hg) [room temperature]

Vapor density : Not available.

Relative density : 1.005

Solubility : Easily soluble in the following materials: cold water and hot water.

Partition coefficient: n-

octanol/water

Vapor pressure

: Not available.

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not applicable.

Viscosity : Similar to water.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : None known.

Hazardous decomposition

products

: Under normal conditions of storage and use, hazardous decomposition products should

not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Third Power Cleaner Concentrate	LD50 Oral	Rat	>5 g/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Third Power Cleaner Concentrate	Skin - Primary dermal irritation index (PDII)	Rabbit	2.83	-	-
	Eyes - Edema of the conjunctivae	Rabbit	0 to 1	-	72 hours
	Skin - Erythema/Eschar	Rabbit	0 to 1	-	72 hours
	Skin - Edema	Rabbit	0 to 1	-	72 hours

Sensitization

There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

Section 11. Toxicological information

There is no data available.

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure

: Not available.

Potential acute health effects

Eye contact
 Inhalation
 No known significant effects or critical hazards.
 Skin contact
 No known significant effects or critical hazards.
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact
 Inhalation
 No known significant effects or critical hazards.
 Skin contact
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate : No known significant effects or critical hazards.

effects

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate : No known significant effects or critical hazards.

effects

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

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.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. 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. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	IMDG	IATA				
UN number	Not regulated.	Not regulated.	Not regulated.				
UN proper shipping name	_	-	-				
Transport hazard class(es)	-	-	-				
Packing group	-	-	-				
Environmental hazards	No.	No.	No.				
Additional information	-	-	-				

AERG: Not applicable.

Section 14. Transport information

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

U.S. Federal regulations

: TSCA 8(a) PAIR: Nonylphenol, ethoxylated

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 311: Sodium hydroxide

Clean Air Act Section 112

(b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602

Class I Substances

: Not listed

Clean Air Act Section 602

Class II Substances

: Not listed

DEA List I Chemicals

: Not listed

(Precursor Chemicals)

DEA List II Chemicals

: Not listed

(Essential Chemicals)

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

SARA 313

There is no data available.

State regulations

Massachusetts : None of the components are listed. **New York** : None of the components are listed. **New Jersey** : None of the components are listed. Pennsylvania : None of the components are listed.

California Prop. 65

No products were found.

Section 16. Other information

Procedure used to derive the classification

Classification	Justification
Not classified.	

History

Date of issue mm/dd/yyyy : 11/15/2016 Date of previous issue : 08/15/2016

Version : 2

RTX9

Section 16. Other information

Prepared by

: KMK Regulatory Services Inc.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



FINAL REPORT

CLIENT:

Bradley Systems, Inc. 2720 S River Rd.

Des Plaines, IL 60018

ATTENTION:

Mark Bass

TEST:

Acute Dermal Irritation/Corrosion in Rabbits

(OECD)

TEST ARTICLE:

Sample #1429953; Lot# 24-134-228

EXPERIMENT

REFERENCE NUMBER:

T13-4604-1

Steven Nitka Laboratory Director Vice President

This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed, and neither the report nor the name of these Laboratories nor any member of its staff, may be used in connection with the advertising or sale of any product or process without written authorization.



QUALITY ASSURANCE UNIT STATEMENT

Study No.: T13-4604-1

The objective of the Quality Assurance Unit (QAU) is to monitor the conduct and reporting of nonclinical laboratory studies. This study has been performed in accordance with standard operating procedures and applicable standard protocols. The QAU maintains copies of study protocols and standard operating procedures and has inspected this study. The findings of this inspection may have been reported to management and the Study Director.

Quality Assurance:

Signature/Date

Final Report Summary

CLIENT: Bradley Systems, Inc. **STUDY NO.:** T13-4604-1

REFERENCE: Purchase Order Number 142

TEST ARTICLE: Sample #1429953; Lot# 24-134-228 **TEST ARTICLE RECEIPT DATE:** October 11, 2013

EXPERIMENTAL INTERVAL: October 29, 2013 to November 26, 2013

Acute Dermal Irritation/Corrosion in Rabbits (OECD)

Method:

One (1) New Zealand White rabbit received three (3) dermal applications of the test article. Each application was one-half of one (0.5) milliliter of the test article to an intact test site. The first test site was semi-occluded for three (3) minutes. The second test site was semi-occluded for one (1) hour. The third test site was semi-occluded for four (4) hours. The sites were observed individually for erythema, edema, and other effects after patch removal through 14 days if irritation persisted. Because corrosive effects were not observed with the initial animal, two (2) additional animals were dosed. Each site on these animals was semi-occluded for four (4) hours. The test article was used as received.

Observations: Very slight to well-defined erythema and very slight edema were observed after dosing. Scaling was noted on one (1) animal on Day 7. No corrosive effects were observed.

Conclusion: According to 49 CFR 173.137, OECD 404 and UN/SCEGHS/25/INF.19 and under the conditions of this test, this test article is not corrosive to rabbit skin. According to UN/SCEGHS/24/INF.3/Add.1, the test article elicited irritation below that required for Category 2 or Category 3.

Acute Dermal Irritation/Corrosion in Rabbits (OECD)

This test was designed to determine if a product is corrosive to rabbit skin according to 49 CFR 173.137. The test itself was run in accordance with the 2002 OECD Guideline for Testing of Chemicals, Number 404, "Acute Dermal Irritation/Corrosion".

Three (1M:2F), New Zealand White rabbits, weighing approximately two (2) kilograms and about three (3) months of age, were used for the test. The animals were obtained through a suitably licensed dealer and were carefully checked upon receipt for diarrhea and dehydration, respiratory difficulties, postural deficiencies, skin lesions and general condition.

The animals were acclimated for at least six (6) days prior to test initiation. They were individually housed in stainless steel cages, in a room with a 12 hour light/dark cycle. The room temperature was controlled to comply with Animal Welfare Regulations with an approximate range of 65° to 72° F. The humidity was also monitored. The animals were identified through individual markings on the outer ear of each animal, as well as a cage label. Diet consisted of Lab Diet Certified High Fiber Diet #5325, as well as water, ad libitum.

Twenty-four (24) hours prior to test initiation, the animals were re-examined. If an animal had been in poor condition, particularly with skin lesions, it would not have been used. The animals were prepared for testing by close-clipping the hair of the mid-dorsal area of the trunk between the scapulae and the pelvis, using an Oster® small animal clipper equipped with a #40 (surgical) head.

At the time of test initiation, the animals were momentarily restrained. On one (1) animal, three (3), one-half of one milliliter (0.5 ml) dermal applications of the test article were made to intact sites under square, gauze sponges, each two and one-half (2.5) cm on each side and two (2) single layers thick. The patches were then secured in place with three (3) inch 3M Micropore TM tape, semi-occlusively. The first test site was semi-occluded for three (3) minutes. The second test site was semi-occluded for one (1) hour. The third test site was semi-occluded for four (4) hours. When the wrappings were removed, any remaining test article was gently wiped from the skin with water and paper towels. The sites were observed individually for erythema, edema, and other effects using the Draize skin scoring scale (refer to Table 1). Because no corrosive effect was observed, two (2) additional animals were dosed. Each of them was dosed as indicated above, but with only the four (4) hour exposure site.

Because no necrosis was noted, it was concluded that irreversible tissue destruction had not occurred. Sloughing of the epidermis, erythema, edema or fissuring were not considered irreversible tissue destruction. Because irreversible tissue destruction (necrosis in the form of crusting) did not occur, the test article was considered non-corrosive.

Bradley Systems, Inc. T13-4604-1 Page 5 of 8

Acute Dermal Irritation/Corrosion in Rabbits (OECD)

The scoring scale used is presented in Table 1. Individual results are presented in Table 2.

Professional personnel involved:

Steven Nitka, B.S. - Vice President

Laboratory Director (Study Director)

Lillian Vazquez, B.S. - Laboratory Supervisor

Christine Hendricks - Quality Assurance Group Leader Lucyanne Vacchiano - Quality Assurance Associate

Summaries of all results are found preceding the text.

Table 1
Scoring Criteria for Skin Reactions

No erythema	0
Very slight erythema (barely perceptible)	1
Well-defined erythema	2
Moderate to severe erythema	3
Severe erythema (beet redness) to slight eschar formation (injuries in depth)	4
Total possible erythema score = 4	
EDEMA FORMATION	
No edema	C
Very slight edema (barely perceptible)	1
Slight edema (edges of area well-defined	
by definite raising)	2
Moderate edema (area raised approximately 1 mm) Severe edema (area raised more than 1 mm and	3
extending beyond area of exposure)	4
Total possible edema score = 4	

Bradley Systems, Inc. T13-4604-1 Page 7 of 8

Table 2

Acute Dermal Irritation/Corrosion in Rabbits (OECD)

Sample #1429953; Lot# 24-134-228

0.5 ml

•		OBSERVATIONS							
Animal No./Sex	Site	3 Mins. ER ED ¹	1 Hr. ER ED ¹	4 Hrs. ER ED ¹	24 Hrs. ER ED ¹	48 Hrs. ER ED ¹	72 Hrs. ER ED ¹	7 Days ER ED ¹	14 Days ER ED ¹
1 (847/F)	1 - I ²	1 0	1 0	1 0	0 0	0 0	0 0	0 0	0 0
1 (847/F)	2 - I ²		1 0	1 0	1 0	1 0	1 0	0 0	0 0

Raw Data Page: 161118

847: Initial weight = 1.83 kg. Terminal weight = 2.19 kg

¹ER ED = Erythema Edema

²I = Intact skin

Bradley Systems, Inc. T13-4604-1 Page 8 of 8

Table 2 (continued)

Acute Dermal Irritation/Corrosion in Rabbits (OECD)

Sample #1429953; Lot# 24-134-228

 $0.5 \, \mathrm{ml}$

•		OBSERVATIONS							
Animal No./Sex	Site	5 Hrs. ER ED ¹	24 Hrs. ER ED ¹	48 Hrs. ER ED ¹	72 Hrs. ER ED ¹	Day 7 ER ED ¹	Day 14 ER ED ¹		
1 (847/F)	3 - I ²	2 1	2 0	1 0	1 0	1 0	0 0		
2 (897/F)	I ²	1 0	1 0	1 0	1 0	0 0S			
3 (898/M)	I ²	2 0	1 0	1 0	1 0	0 0			

Raw Data Pages: 161118 & 161203

¹ER ED = Erythema Edema ²I = Intact skin

S = Scaling

897: Initial weight = 1.97 kg. Terminal weight = 2.21 kg 898: Initial weight = 1.98 kg. Terminal weight = 2.10 kg



FINAL REPORT

CLIENT:	Bradley Systems, Inc.
	2000 0 0 0 0 0

2720 S River Road Des Plaines, IL 60018

ATTENTION: Mark Bass

TEST: Acute Eye Irritation/Corrosion in Rabbits (OECD)

TEST ARTICLE: Sample #1429953; Lot# 24-134-228

RTX 9 Turbo

EXPERIMENT

REFERENCE NUMBER: T13-4604-2

Steven Nitka Vice President Laboratory Director

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Final Report Summary

CLIENT: Bradley Systems, Inc. STUDY NO.: T13-4604-1

REFERENCE: Purchase Order Number 142

TEST ARTICLE: Sample #1429953; Lot# 24-134-228 TEST ARTICLE RECEIPT DATE: October 11, 2013

EXPERIMENTAL INTERVAL: October 29, 2013 to November 26, 2013

Acute Dermal Irritation/Corrosion in Rabbits (OECD)

Method:

One (1) New Zealand White rabbit received three (3) dermal applications of the test article. Each application was one-half of one (0.5) milliliter of the test article to an intact test site. The first test site was semi-occluded for three (3) minutes. The second test site was semi-occluded for one (1) hour. The third test site was semi-occluded for four (4) hours. The sites were observed individually for erythema, edema, and other effects after patch removal through 14 days if irritation persisted. Because corrosive effects were not observed with the initial animal, two (2) additional animals were dosed. Each site on these animals was semi-occluded for four (4) hours. The test article was used as received.

Observations: Very slight to well-defined erythema and very slight edema were observed after dosing. Scaling was noted on one (1) animal on Day 7. No corrosive effects were observed.

Conclusion: According to 49 CFR 173.137, OECD 404 and UN/SCEGHS/25/INF.19 and

under the conditions of this test, this test article is not corrosive to rabbit skin. According to UN/SCEGHS/24/INF.3/Add.1, the test article elicited irritation

below that required for Category 2 or Category 3.



QUALITY ASSURANCE UNIT STATEMENT

Study No.: T13-4604-1

The objective of the Quality Assurance Unit (QAU) is to monitor the conduct and reporting of nonclinical laboratory studies. This study has been performed in accordance with standard operating procedures and applicable standard protocols. The QAU maintains copies of study protocols and standard operating procedures and has inspected this study. The findings of this inspection may have been reported to management and the Study Director.

Quality Assurance:

Signature/Date



FINAL REPORT

CLIENT:

Bradley Systems, Inc. 2720 S River Rd. Des Plaines, IL 60018

ATTENTION:

Mark Bass

TEST:

Acute Dermal Irritation/Corrosion in Rabbits

(OECD)

TEST ARTICLE:

Sample #1429953; Lot# 24-134-228

EXPERIMENT

REFERENCE NUMBER:

T13-4604-1

Laboratory Director Vice President

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Subject: Rob Johansen's contact info

Date: Monday, December 5, 2016 at 2:55:11 PM Central Standard Time

From: Hall, Corey
To: Mark Bass

Hi Mark,

Here is Rob's contact info...

Rob Johansen Corporate Operations Director Robert.B.Johansen@ehi.com 314-512-3758 600 Corporate Park Drive St. Louis, MO 63105



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Final Report Summary

CLIENT: Bradley Systems, Inc. STUDY NO.: T13-4604-2

REFERENCE: Purchase Order Number 142

TEST ARTICLE: Sample #1429953; Lot# 24-134-228 TEST ARTICLE RECEIPT DATE: October 11, 2013

EXPERIMENTAL INTERVAL: October 14, 2013 to November 18, 2013

Acute Eye Irritation/Corrosion in Rabbits (OECD)

Method:

One (1) New Zealand White rabbit, free from visible ocular defects, 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 the animal remained unwashed for 24 hours. Visual observations of corneal opacity, iritis, and conjunctivitis were recorded one (1), 24, 48 and 72 hours after treatment. If irritation was observed at 72 hours, the eyes were examined for up to 21 days, or until the irritation subsided. A lighted magnifier was used during the visual observations. Because severe irritation and/or corrosive effects were not observed with the initial animal, two (2) additional animals were similarly dosed and observed. The test article was used as received.

Results:

Group			Ave	rage D	aily Di	raize S	cores			
		Hours				Days				
	1	24	48	72	_4	7	10	14	18	21
Unwashed	4.3	4.3	5.0	2.3	2.0	2.0	1.3	0.3	0.7	0.0

The test eyes of all animals retained fluorescein at 24 hours.

Conclusion: According to Appendix A to 1910.1200 Health Hazard Criteria (Mandatory) and under the conditions of this test, this test article is classified as an eye irritant Category 2A as it produced in at least 2 of the 3 animals tested corneal opacity ≥ 1 and iritis ≥ 1 and conjunctival redness ≥ 2 and conjunctival edema ≥ 2. These effects were not fully reversible with 7 days of dosing.



QUALITY ASSURANCE UNIT STATEMENT

Study No.: T13-4604-2

The objective of the Quality Assurance Unit (QAU) is to monitor the conduct and reporting of nonclinical laboratory studies. This study has been performed in accordance with standard operating procedures and applicable standard protocols. The QAU maintains copies of study protocols and standard operating procedures and has inspected this study. The findings of this inspection may have been reported to management and the Study Director.

Quality Assurance:

Signature/Date