

Image Cover Sheet

CLASSIFICATION

SYSTEM NUMBER

135304

UNCLASSIFIED



TITLE

PROTECTION FROM "h" BURNS THROUGH CLOTHING BY USE OF CELLULOSE TAPE

System Number:

Patron Number:

Requester:

Notes:

DSIS Use only:

Deliver to:



#135304 Acc# 47-02784

DOCUMENT RECLASSIFICATION RECORD

Document TM 1 Title Protection from "H" Burns Through
Clothing by Use of Cellulose Tape

Author(s) T.H. Johnson & O.M. Fraser Date 8 Jul 43

Original Classification Secret

Limitation _____

Harvey Recommendation
Classification Unclassified

Limitation Unlimited Clause _____

Deletions _____

Reviewed by C. Laforce Date 6/5/97

Classification Unclassified

Limitation Unlimited

Official Warning Term _____

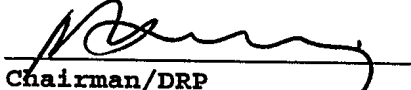
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I concur


Chairman/DRP

5/97
meeting

8/5/97
Date

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E.S. 75216

Suffield Tech. Min. Book

NATIONAL DEFENCE EYES ONLY

"BOMBER"

1/6. Suffield Reports/1 (SD11)

CANADIAN MILITARY HEADQUARTERS *attach to Minute #1*

29 Aug 42

The Secretary,
Department of National Defence,
OTTAWA, Canada.

Attn: D.C.W.

Porton Comments on
F.E.S. Technical Minute No.1

1. The following Porton Comments on F.E.S. Technical Minute No. 1 have been received this date under cover of C.D./L. Minute Sheet No. W.9081 dated 28 Aug 42:

"While the results obtained are in conformity with results obtained at Porton, it is thought to be very doubtful if the method has any practical application in the field, in view of its obvious inconvenience."

copy forwarded to Suffield 9/42

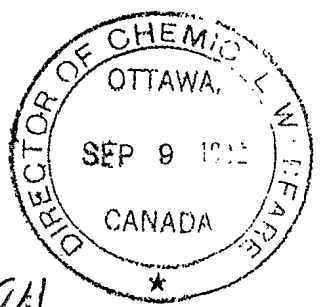
2. Might these comments be transmitted to F.E.S. Suffield, please.

W.R. Sawyer. Lt-Col.

for (P.J. Montague) Major-General,
Senior Officer,
Canadian Military Headquarters.

/EIE

C.W. 332



Classification / Classification
Changed to / Remplacé par
by Authority of / par l'Autorisation de
Date 24 Feb 98 Signature C. Laforce
Appointment / Unit
Position / Unité

47/2784

EXPERIMENTAL STATION
SUFFIELD, ALBERTA

COPY NO.
8th July, 1942.

TECHNICAL NOTE NO. 1

Protection from "H" burns through clothing by use of Cellulose Tape.

One, 1 mm. drop of pure H was applied to the shoulder area of the khaki battle dress of each of two observers. A piece of cellulose tape about 3" square was applied immediately to the under surface of the cloth, below the contaminated area. No lesion developed after 12 hours wear of the clothing.

As a control - one, 1 mm. drop of pure H was applied to the shoulder of the battle dress on one observer. The bare skin under the contaminated spot was then immediately anointed with A/G Ointment No. 2. After 12 hours wear, a small area of erythema developed. Similar results were obtained when a 2 mm. drop of pure H was applied.

One, 1 mm. drop of pure H on serge with no precautions produced erythema and vesication.

Conclusions:

Cellulose tape applied immediately under an area contaminated with H, affords complete protection from a 2 mm. drop. Application of A/G Ointment to the bare skin, although probably affording sufficient protection, is less efficient. The cellulose tape can be applied more rapidly. The principal disadvantage of this technique is, however, the necessity of supplying the tape as an additional A/G store.

This technique was suggested by S/Sgt. T.H. Johnston and the experiments were carried out by W/C O.M. Fraser.

H.M. Barrett

(H.M. Barrett)
Superintendent of Research,
for (E.L.L. Davies)
Chief Superintendent,
Experimental Station.



HMB/SB

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