

Miller, Diane M. (CDC/NIOSH/EID)

From: Fingerhut, Marilyn (CDC/NIOSH/OD) (CTR)
Sent: Tuesday, June 17, 2008 6:57 AM
To: NIOSH Docket Office (CDC)
Subject: #138NIOSH Control Banding Review Document
Attachments: References for KCT in KOSHANET.doc

Dear Diane, Please add to the CB document comments. Thanks Marily

From: apollo@kosha.net [mailto:apollo@kosha.net]
Sent: Tue 6/17/2008 5:21 AM
To: Fingerhut, Marilyn (CDC/NIOSH/OD) (CTR)
Cc: skk@kosha.net; sh903@kosha.net; Lentz, Thomas J. (CDC/NIOSH/EID)
Subject: [RE]RE: Korean Control Toolit for NIOSH Control Banding Review Document



Dear Dr.Fingerhut,

I'm sorry for my late response.
 I'm sending a couple of slides with short explanation as the attached.

KOSHANET is open to members only and is not available for foreigners.
 KOSHA is currently developing KCT. I mean we are focusing on finding highly risky processes and are developing process-specific controls according to risk levels.

I'm looking forward to meeting you and Dr. Lentz in Seoul soon.
 Thanks.

Sincerely

Byung.

----- [Original Message] -----

Sender : "Fingerhut, Marilyn (CDC/NIOSH/OD) (CTR)" < maf2@cdc.gov >
To : apollo@kosha.net, skk@kosha.net, sh903@kosha.net
CC : "Fingerhut, Marilyn (CDC/NIOSH/OD) (CTR)" < maf2@cdc.gov >, "Lentz, Thomas J. (CDC/NIOSH/EID)" < tb17@cdc.gov >
Date : 2008-06-12 19:31:10
S u b j e c t : RE: Korean Control Toolit for NIOSH Control Banding Review Document

Dear Byung,

Thanks so much for the paragraph on your KCT. Might you also send a reference and a link to a web version, if available? I look forward to learning more about this in the Seoul meeting very soon.

With this email, let me introduce you to TJ Lentz, who leads the control banding effort in NIOSH.

Best regards,
Marilyn

From: apollo@kosha.net [mailto:apollo@kosha.net]
Sent: Wed 6/11/2008 11:36 AM
To: Fingerhut, Marilyn (CDC/NIOSH/OD) (CTR); skk@kosha.net; sh903@kosha.net
Subject: Korean Control Toolit for NIOSH Control Banding Review Document



Dear Dr. Fingerhut,

I am Byung Kim, one of Dr.Kang's staffs in Korea OSHA.
 I have participated in the development of Korean Control Toolkit (KCT) on Chemical substances.
 The attaced is my paragraph to add into CB review document.

Please provide it to NIOSH with your peer-review.
 If you want to get information on KCT, please let me know.

Thanks.

Sincerely.

Byung.

----- [Original Message] -----

Sender : Seong-Kyu Kang < skk@kosha.net >
To : 김병규 < apollo@kosha.net >, 박승현 < sh903@kosha.net >
Date : 2008-06-09 14:13:30
S u b j e c t : [FWD]Your paragraphs are needed for NIOSH Control Banding Review Document



----- [Original Message] -----

Sender : "Fingerhut, Marilyn (CDC/NIOSH/OD) (CTR)" < maf2@cdc.gov >
To : "Fingerhut, Marilyn (CDC/NIOSH/OD) (CTR)" < maf2@cdc.gov >, "Heussen, Henri" < henri.heussen@arbounie.nl >, "Grumbles, Tom (TG)" < Tom.Grumbles@us.sasol.com >, Andrew.Garrod@hse.gsi.gov.uk, zalk1@llnl.gov, vickersc@who.int, alberto.camacho-henriquez@gtz.de, baichoo@ilo.org, Deborah.Nelson@Colorado.EDU, jonathan.krueger@unitar.org, kortume@who.int, Paul.Evans@hse.gsi.gov.uk, "Niemeier, Richard W. (CDC/NIOSH/EID)" < rwn1@cdc.gov >, szucs@ilo.org, "Lentz, Thomas J. (CDC/NIOSH/EID)" < tbl7@cdc.gov >, tempowskij@who.int, packroff@baua.bund.de, tomas.marques@unep.fr, WilburnS@who.int, j.zalk@comcast.net, "Lentz, Thomas J. (CDC/NIOSH/EID)" < tbl7@cdc.gov >, kalpanasrmc@vsnl.com, "Rice, Faye L. (CDC/NIOSH/EID)" < flr2@cdc.gov >, "Gillen, Matt (CDC/NIOSH/OD)" < hzg7@cdc.gov >, skk@kosha.net, zjzhou@shmu.edu.cn, HO_Sweet_Far@mom.gov.sg, mjeebhay@cormack.uct.ac.za, Stavroula.Leka@nottingham.ac.uk
CC : "Fingerhut, Marilyn (CDC/NIOSH/OD) (CTR)" < maf2@cdc.gov >

Date : 2008-06-08 17:08:20

S u b j e c t : [FWD]Your paragraphs are needed for NIOSH Control Banding Review Document

Dear Colleagues,

NIOSH has posted a Control Banding Review Document that is open for public comment until 11 June. I want to encourage you to send comments, particularly to send descriptions and citations for the recent Stoffenmanager, German, Korean, Singapore, Belgium, EU, Chinese India/GTZ chemical, nanotechnology, barrier banding, ergonomics, psychosocial, and sector specific control banding systems. This will enable NIOSH to have an up to the minute review document.

In order to make it easier for you, I have attached my comments, which identify some of you and your systems by name. **If you could provide a paragraph and citations for insertion into the document** either to me or directly to NIOSH, it will help to make the NIOSH document truly reflective of the global situation with control banding.

You will find links to the NIOSH document and information how to send comments electronically at: <http://www.cdc.gov/niosh/review/public/138/>

To quickly see what my comments and the NIOSH document contain about your various systems, I suggest you use the search option provided with the opened document.

I cannot remember who is the author of SOBANE for Belgium...Jacques...? If you know, please forward this email to him.

Best regards,
Marilyn

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Byung Gyu Kim, MPH

Manager

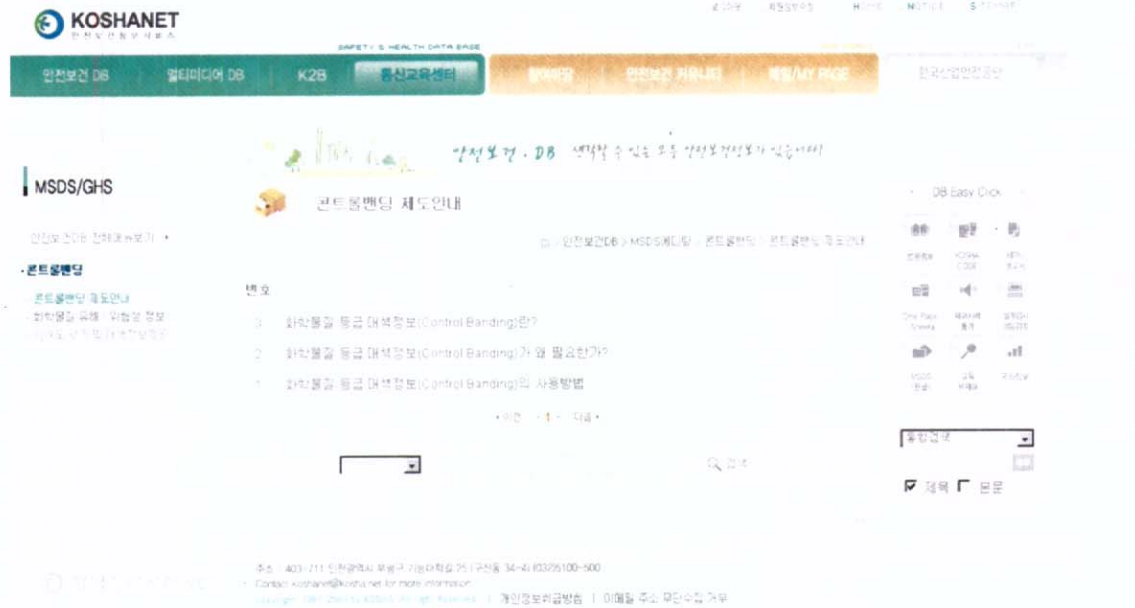
Department of Occupational Health, Chemicals Management Team
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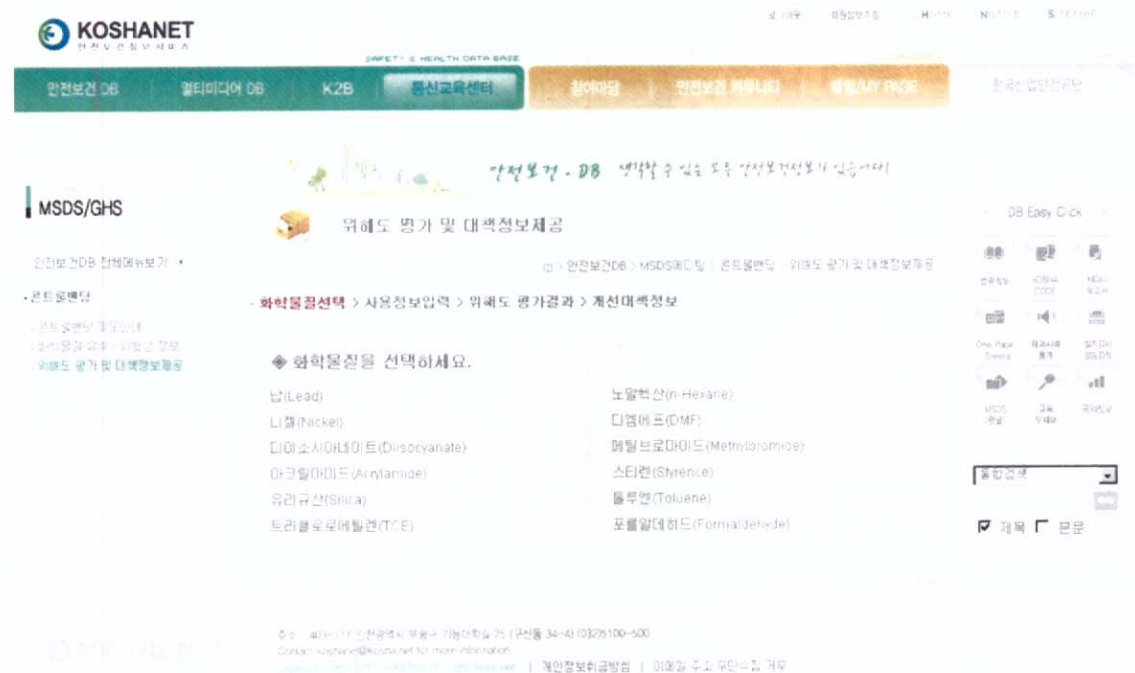
The slides below are helpful to understand KCT for you.

1. KOSHANET is the online service program that is open to members only. Unfortunately it is not available for foreigners until now.

- Hers is the main page to explain what CB is, why KOSHA is developing CB, how to use CB, etc.



2. For now KCT is available for 12 chemicals that have frequently caused occupational diseases compensated by the national insurance. You can see the names of chemicals, because they are shown up in English. The users should select a chemical out of 12 species.



I believe if KOSHA is able to prevent or minimize the occupational diseases caused by 30 chemicals as our targets, most of them could be prevented or exterminated. It's also the reason why KCT is focusing on targeted chemicals, 30 species.

3. If a user select DMF for KCT, then he or she should input information concerning the use of DMF in workplace. From the top to the bottom of combo boxes, the information could be readily selected in the centre of the slide. And then click a button in the bottom.

The screenshot shows the KOSHANET website interface. The main content area is titled '위해도 평가 및 대책정보제공' (Risk Assessment and Countermeasure Information Provision). The form is for '화학물질선택 > 사용정보입력 > 위해도 평가결과 > 계산대역정보' (Chemical Selection > Input Usage Information > Risk Assessment Results > Calculation Band Information).

The form fields are as follows:

- 물질명: □ (DMF)
- 업종: 화합물 및 화학제품 제조업
- 공정: 코팅
- 수량: 2
- 특성: 혼합물질(50%~90%미만)
- 상태: 액체(Liquid)
- R-Phrase: R 61-20/21-36
- 사용량: 1,000g(liters)/월 이상
- 사용빈도: 매일
- 사용시간: 4시간 이상/일
- 사용온도: 상온
- 비산성: 선택 | 전액

A 'Banding' button is located at the bottom of the form.

4. The results from KCT will be shown up for grade of risk and band class. According to information input the slide above, The grade of risk for the process is D, the band class is 3.

MSDS/GHS

간편도출DB 전체데이터보기

· 콘트롤센터

· 콘트롤센터 기능안내
· 위험도 평가, 대역상 정보
· 위험도 평가 및 대책정보 제공

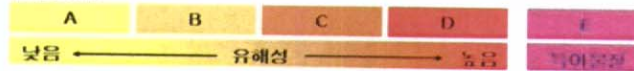
안전보건·DB 선진화 수 있는 모든 안전보건정보가 있습니다
위험도 평가 및 대책정보제공

DB > 간접도출DB > MSD(GHS) > 콘트롤센터 > 위험도 평가 및 대책정보제공

· 화학물질안전 > 사용정보입력 > 위험도 평가결과 > 개선대책상세

물질명	디메틸포 (DMF)
업종	화학품 및 화학제품 제조업
물질	고형
수량	2
특성	혼합물(50%-90%미만)
상태	액체(Liquid)
R-Phrase	R 61-20/21-36 <input type="button" value="R-Phrase란?"/>
위험도 등급	0
개선대책등급	3
사용량	1,000kg(배치)/월 이상
사용빈도	매일
사용시간	4시간 이상/일
사용장소	실온
비산성	

위험도 등급이란?



개선대책 등급이란?

물질의 위험도 등급 및 사용조건에 따라 요구되는 개선 대책의 수준을 의미합니다.

개선대책등급

주요 내용

- 안전장기 및 설비의 정기적 점검관리
- 작업장 피상관리, 작업수칙 준수, 개인보호구 착용, 산업안전보건교육, MSD 교육 등
- 유해물질 취급 금지 및 정기적 검사
- 점검
- 발생원 동태관리 및 정기적 점검관리
- 산업보건전문가(산업위생 등) 상담
- 물질안전보건자료(MSD) 관리

DB Easy Click

출력	인쇄	홈
DB Easy Click	DB Easy Click	DB Easy Click
DB Easy Click	DB Easy Click	DB Easy Click
DB Easy Click	DB Easy Click	DB Easy Click
DB Easy Click	DB Easy Click	DB Easy Click
DB Easy Click	DB Easy Click	DB Easy Click
DB Easy Click	DB Easy Click	DB Easy Click
DB Easy Click	DB Easy Click	DB Easy Click
DB Easy Click	DB Easy Click	DB Easy Click
DB Easy Click	DB Easy Click	DB Easy Click

출력선택

제목 본문

5. If the user clicks the second button for specific-control tool, the process-specific control will be provided. KOSHA is trying to gather real situation relating to the use of the targeted chemicals through the nation-wide survey and hierarchy process for the risk, and is developing country-specific & process-specific for high risk processes.

KOSHANET

안전보건 DB | 멀티미디어 DB | K2B | **MSDS/GHS** | **화학물질** | 안전보건 법령내역 | **화학/MSDS** | 한국산업안전공단

안전보건DB 전체메뉴보기

MSDS/GHS

화학물질안전법 > 사용성보입력 > 화학도 평가결과 > **개선타액정보**

2-1. 코팅 (합성피혁 제조업: 견식코팅)

I. 물질 및 유해성 정보

1. 물리적 특성

- 무색에서 노란색까지의 기연성 액체로 증발 수준의 최저 위험이 있음
- 인, 기연성용접, 금속, 팜프팅소르침용, 팜프팅, 산화제, 황염제와의 접촉을 금함

2. 노출기준

- 산업안전보건법 TWA 10 ppm (30 mg/m³) [피부]
- 미국경부산업위생전문가협회(ACGIH) TWA 10 ppm (30 mg/m³) [피부]
- 미국산업안전보건연구회(NIOSH) TWA 10 ppm (30 mg/m³) [피부]
- 미국산업안전보건청(OSHA) TWA 10 ppm (30 mg/m³) [피부]

3. 인체 및 동물 건강영향

- 흡수경로: 호흡기, 위장관(경구) 피부 및 결막 등
- 주요 손상기관: 인, 눈, 피부, 호흡기, 심혈관계, 신장
- 급성노출: 구토, 복통(위배기 비후축합), 발열/탈골격이 노폐물 변형, 신 속과기, 중독에 일이 일어나고, 물을 마시면 인명유해(탈골이 발생)가 심해 지, 경축 기 피부염 발생
- 만성노출: 독성간염 등 신 기능에 이상이 생김
- 인체 발암성: 산업안전보건법 -

4. 국내외 규제 및 등록사항

- '93년부터 국내 인조피혁, 인조실용 제조회사에서 독성물질로 인해 총 5명의 사망자 발생, 사망자나 직업병 환자가 매년 1-2건 발생하고 있음
- 프랑스 설용회사 근로자에게 독성위험 발생

6. And we (with my colleagues) are providing modified SDS for workers in KCT. In my experience, SDS is not helpful to communicate the risk and hazard information to workers who have a little bit lower educational background. KOSHA has decided to develop a new version of SDS for them. More easy words instead of scientific & technical words and buzzwords will be employed in the new SDS for workers.