

Årskonferansen
Norsk Yrkeshygienisk Forenings
8.-9. og 10 november 2010
"Frie innlegg"

Halvor Erikstein
Sert ifisert yrkeshygieniker/
organisasjonssekretær
SAFE
92810398
halvor@safe.no

Presentasjon under
"Frie innlegg".
"Aktuelle yrkeshygieniske problemstillinger –
eller;

Hva bør vi
bekymre
oss over ?



http://adsoftheworld.com/media/ambient/worksafe_ladder

”Alternative bevegelser”



CORPORATE CLIENTS INCLUDE

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Appearances on
BBC1, Channel 4 & E4
GMTV, ITV2 & SKY TV

Magazine articles include
'More' & 'Enjoy'
to name a few



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Appearances on
**BBC1, Channel 4 & E4
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to name a few

Kornsirkler



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NEW DOCUMENTS

CASE HISTORY

PERPETRATORS

WITNESSES

EXHIBIT A

TESTIFY

EXHIBIT A:

Photographic evidence.

<http://www.circlemakers.org/>

CIRCLEMAKERS
SERIES OCCULTUS

QUITE INTERESTING

Earlier this year we were asked by the BBC quiz show QI to create a crop circle in oil seed rape of the show's logo. The crop circle - along with us - is featured in the eighth series of QI, 'Series H' in an episode dedicated to the topic of hoaxes.

The show is presented by Stephen Fry and the panelists were Alan Davies, Sean Lock, Danny Baker and David Mitchell.

Below: The QI crop circle we created. Photos copyright Andrew Pyrka.



HOSTED BY PAIR.COM



<http://www.circlemakers.org/qi.html>

<http://www.youtube.com/watch?v=ocf5mc69W-c>

Er du i tvil – da kan det være lurt å sjekke med SKEPSIS

SKEPSIS

Kritisk undersøkelse av det uforklarlige, det utrolige og det marginale

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SISTE ARTIKLER

Det er ikke Nibiru alt som glimrer (med sitt fravær)



Den var kjent for babylonerne, kommer veldig snart nær en planet du kjenner godt, og sprer ødeleggelse og død i stor skala. Eller kanskje ikke. Mytologien rundt den hypotetiske planeten Nibiru er moderne og standhaftig, selv om dens forkjempere ikke er så mange. På tross av feilslåtte profetier og kollisjon med det meste som finnes av kunnskap spres det dystre budskapet daglig. Blant annet ved hjelp av bildebevis som skal demonstrere sannheten. I denne artikkelen tar astrofysiker Terje Fredvik et blick på disse bildebevisene.

Av Terje Fredvik (publisert 4.10.2010)

Les mer »

Tema: [Pseudovitenskap](#), [Utenomjordisk](#)

Vis alle innlegg i [Pseudovitenskap](#)

From the Spirit to the Brain: The Transition From Parapsychological to Neurological Models of Explaining Near-Death Experiences

Skepsisbloggen

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SØK I ARKIVET

Her kan du søke i publiserte artikler på skepsis.no:

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 - Oslo: Dinodag
- Nov 21
 - Oslo: Trenger vi natur?
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IN ENGLISH

Articles in English

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Årsberetning 2010

www.skepsis.no

”Avgifting ved hjelp av fotbad”



Detoxifying foot bath quackery

junk science to draw dollars out of your wallet

[AquaScams home](#) | [Ionized water bunk](#) | [What is Pseudoscience?](#) | [About water](#)

Have you ever heard of those foot-baths through which an electric current is passed in order to draw out the "toxins" from your body? To someone who knows no chemistry, it can be quite impressive to see all these evil substances color the water various shades of brown, green, and blue as the current works its magic. (See [this typical example](#).) Sometimes you see flecks of solids and bubbles of gas appear as your body is "cleansed". Well, this is an old parlor trick, a nice chemistry-classroom demonstration, and, of course, a highly profitable **scam**. It is offered by ayurvedic healers and other quackery practioners, including some naturopathic and chiropractic physicians, and can go by such names as [Ionic Detoxification](#), [Aqua Chi](#), [Bionic Hydrotherapy®](#), etc.

Of course, it always feels good to rest your tired feet in a container of warm water, and the slight tingling sensation caused by the low-voltage current might even be rather pleasant. But the stuff about drawing "toxins" out of your body is pure bunk. That's the job of your kidneys, which are exquisitely suited to this task. Anyone who has taken a course in physiology knows that



<http://www.chem1.com/CQ/FootBathBunk.html>

Bygg ditt eget fotbad for avgifting. Du trenger en batterilader, kjøkkensalt, spiker og et passende kar som fotbad.



Spøk til side: Noen nyttige nettsteder



Nyttig om oljekatastrofen





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Gulf Oil Spill

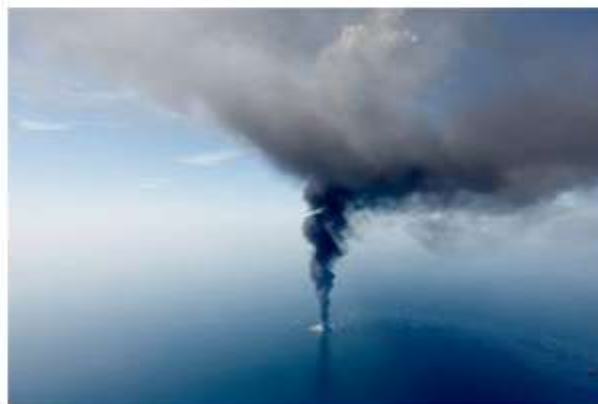
Furious Growth and Cost Cuts Led To BP Accidents Past and Present

by Abraham Lustgarten

ProPublica, Oct. 26, 11:32 a.m.

A ProPublica and PBS FRONTLINE investigation. "*The Spill*," a PBS FRONTLINE documentary drawn from this reporting aired Oct. 26. [Watch it here.](#)

Jeanne Pascal turned on her TV April 21 to see a towering spindle of black smoke slithering into the sky from an oil platform on the oceanic expanse of the Gulf of Mexico. For hours she sat, transfixed on an overstuffed couch in her Seattle home, her



(AP Photo/Gerald Herbert)

<http://www.propublica.org/topic/gulf-oil-spill>

<http://www.propublica.org/article/bp-accidents-past-and-present>

BP Claims Tracker

Total Damage Claims from Gulf Oil Spill Paid By BP

\$1,767,988,3

\$



PRO PUBLICA

Have you filed a BP

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reporter.

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Anonymous Tipline

If you work for BP or a contractor on a the Gulf, or anywhere else, we'd like to



Occupational Safety & Health Administration We Can Help

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Workers

Regulations

Enforcement

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What



Keeping Workers Safe During Oil Spill Response and Cleanup Operations

Oil Spill
Home

Worker
Rights

Chemical
Exposure

Hazards

Training

News
Releases

Worker
Protection

OSHA
Activity

If you have symptoms or questions, and want to report them to OSHA, contact 1-800-321-OSHA (6742) TTY: 877-889-5627

OSHA Response By the Numbers

4/26 thru	10/1/10
Site visits by OSHA personnel*	4,266
Exposure Assessments	7,439
OSHA personnel:	
Permanently assigned to Gulf	146

OSHA's Efforts to Protect Workers

Every day OSHA has over 146 professionals protecting workers throughout the Gulf. From April 26th through October 1st, between 20-40 were assigned solely to the Oil Spill Response. OSHA personnel have been deployed to all staging areas in Louisiana, Mississippi, Alabama, and Florida. OSHA staff were on the ground and on boats to make sure BP was protecting cleanup workers from health and safety hazards.

OSHA worked as part of the coordinated federal response which included the U.S. Coast Guard and other government agencies that deal with health and the environment to evaluate BP's efforts and make sure BP put in place all of the precautions needed to protect workers from the hazards associated with cleanup work. When OSHA found problems or learned about them from workers, we immediately brought them to the attention of BP and monitored the situation until they were corrected. OSHA also raised its concerns throughout the Unified Command so they could be addressed across the entire response area. See [OSHA's Activity Fact Sheet](#) for more information.

Exposure to Toxic Chemicals. To determine whether or not workers are exposed to

[RestoreTh](#)
Official Fe
Deepwater
and Recov

[CareerOneS](#)
[Response](#) si
range of em
for individua
in the Gulf o
(1-866-487-



Workplace Safety & Health Topics

Workplace Safety and Health Topics

► Deepwater Horizon Response

Interim Guidance for Protecting Deepwater Horizon Response Workers and Volunteers

Medical Pre-Placement Evaluation

Chemical Exposure Assessment

Tips for Deepwater Horizon Response Workers

Respiratory Protection Recommendations

Summary of Potential Hazards

Key Safety and Health Topics

Protecting Workers and Volunteers Responding On-Shore to Hurricanes

Reducing Exposures while Working with

[NIOSH](#) > [Workplace Safety and Health Topics](#)

DEEPWATER HORIZON RESPONSE Gulf of Mexico Oil Cleanup

Updates

- [NIOSH Ongoing Health Hazard Evaluation: Deepwater Horizon Response](#) **Updated October 27**
- [Voluntary Roster of Deepwater Horizon Response Workers](#) **Updated October 14**

NIOSH Efforts to Protect Oil Cleanup Workers

NIOSH is protecting oil cleanup workers with the following ongoing efforts:

- Partnering with the Occupational Safety and Health Administration (OSHA) and National Institute of Environmental Health Sciences (NIEHS) to provide other federal and state partners, BP, and workers with [guidance and educational materials](#) for protecting response workers.
- Conducting [health hazard evaluations](#) and surveillance of reported illnesses among workers involved in the Gulf response.
- Developing a [voluntary roster of workers](#) to obtain a record of those who have participated and a mechanism to contact



On This Page

- [NIOSH Efforts to Protect Oil Cleanup Workers](#)



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Español (Spa

Contact Us:

Centers for Disease Control and Prevention

National Institute of Occupational Safety and Health

800-CDC-232-4631
232-6341
Hours/Evening

cdcinfo@cdc.gov

Nyttig om tiltak ved søl av kvikksølv i hjem og skole



How To Initiate a Mercury Clean Out in Your School

Getting Started

Develop a team

This may include the science coordinator, science teachers, health & safety officers, school nurse, building & grounds personnel and school administrators.

Develop a plan

Decide how many and what type of schools will be participating? (i.e. secondary, middle, or elementary school, or all of them) Who will be in charge of compiling the mercury inventory? Will you use a hazardous waste recycler or can you use a local household hazardous waste collection event? Will there be a mercury collection pickup at each participating school, or will there be a centralized collection pick up stop? Who will collect and pack up the mercury-containing items? How will you get the appropriate packing containers? Where will the collected mercury-containing items and containers be stored? These are the kind of questions that your team will probably want to explore and develop into a plan of action.

Obtain approval from the administration

Direction and assistance from the "top" can motivate team members.

Training

Be sure that members of the team have training on proper handling of hazardous wastes and training on how to use a mercury spill clean up kit. You should have a mercury spill kit available before initiating your mercury clean out.

The Hazardous Waste Recycler

Schools often will hire a hazardous waste recycler to dispose/recycle their mercury. Shop around and see who can offer you the most reasonable costs!! Are there extra costs for containers to pack the mercury into or are they included in their

Page Applies To:



Related Links:

Fluorescent and HID Lamp Recyclers

Information on NYS Hazardous Waste Regulations

Offsite Links:

DEC-DOH Mercury Inventory Form

EPAs Mercury Website

DOH Mercury Spill Brochure

Contact for this Page:

Division of Environmental Permits
NYS DEC
625 Broadway, 4th Floor



Mercury

[Contact Us](#)Search: ☐ All EPA ☒ This Area You are here: [EPA Home](#) » [Mercury](#) » Mercury Releases and Spills

Mercury Releases and Spills

You can prevent potential mercury exposure to you and your environment by:

- storing and handling responsibly products that contain mercury;
- following our tips when cleaning up mercury spills; and
- recycling or otherwise properly disposing of products that contain mercury.

Cleaning Up Spills

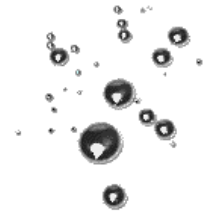
- [What never to do after a mercury spill](#)
- [What to do if a **fluorescent or other mercury-containing light bulb** breaks](#)
- [What to do if a **thermometer** breaks](#)
- **Other mercury spills**
 - [More than the amount in a thermometer, but less than or similar to two tablespoons \(one pound\)](#)
 - [More than two tablespoons \(one pound\)](#)

Storing, Transporting and Disposing of Mercury

- [What to do if you have mercury in your home](#)
- [Packaging mercury for storage and transportation](#)
- [Recycling and disposal Options](#)

Hazardous Waste Site Cleanup

- [Cleaning up Superfund and other hazardous waste sites where mercury is present](#)
- [Mercury Response Guidebook \(for emergency responders\)](#)



Cleaning Up Spills

What Never to Do After a Mercury Spill

<http://www.epa.gov/hg/spills/>



Nyttig om; "Aerotoxic Syndrome". Forgiftning og helseskader fra oljer med organofosfater

SAFE og Norsk Flygerforbunds konferanse

"Åpent lende".

Hotel Residence, Sandnes 6. - 7. og 8. mai 2008

Del 1 "Kjemisk helsefare – eksponering og tiltak"

Del 2 "To sider av samme sak – turbin- og hydraulikkoljer
innen luftfart og petroleumsindustri"



Presentasjonene kan lasten ned her: <http://safe.no/index.cfm?id=305217>

Foto Halvor Erikstein

Offshore har felles problemstillinger med luftfart: Avlufting fra smøresystem



Pilot on commercial flight in Sweden, overcome by fumes (1999)



- Both pilots temporarily totally incapacitated in flight.
- Oil leak identified.
- Oil-based chemicals identified in air supply system; no other explanation for symptoms.

Clip: Welcome Aboard Toxic Airlines

<http://www.dagbladet.no/nyheter/2008/05/05/534481.html>



Tristan Loraine

Susan Michaelis

www.gcage.org London april 2009

Foto Halvor Erikstein



DID YOU KNOW?

- Cabin breathing air on all aircraft apart from the Boeing 787 is taken directly from the engines and provided unfiltered to the aircraft. This is known as 'Bleed Air'.
- Bleed air is known to become contaminated with engine oils and/or hydraulic fluids...
- Contaminated bleed air events have been recognised as occurring since the 1950s.
- No aircraft currently flying has any form of detection system fitted to warn when these events occur.
- Flight safety is being compromised by contaminated air events.
- Crew and passengers have been reporting short and long term health effects as a consequence of exposure to contaminated air.
- Contaminated air events are not rare and known to be under reported.

The GCAQE is the lead international organisation attempting to address these matters on behalf of aircrew worldwide.



Aerotoxic Association

Support for sufferers of Aerotoxic Syndrome





- Home
- About Aerotoxic Syndrome
- Victims' Testimonies
- News and articles
- Medical help and advice
- Reports and evidence
- Incident reports
- Multimedia archive
- Newsletters
- How you can help
- Shop
- Links
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NEWSLETTER

Get the latest news on Aerotoxic Syndrome. Subscribe to our **FREE** newsletter.

SUBSCRIBE

Thursday, 01 October 2009 12:36



EASA cabin air quality survey

The European Aviation Safety Agency are looking for help from any aircrew members with any experiences of oil fumes. We suggest any **passengers** who believe they have been affected should also respond. [Read more](#)

Aerotoxic Syndrome: Just one flight could devastate your health for years to come...

Aerotoxic Syndrome is a severely debilitating condition that can affect air passengers and aircrew after they have been exposed to noxious fumes from the jet engines entering the cabin. This is known as a "fume event".

Fume events typically (but not always) produce an unusual smell, haze or smoke. According to a [UK government report para 66](#), fume events occur on 1 in 100 flights, and on certain aircraft types, crew experience fumes on every flight.

Because the fumes contain highly toxic chemicals - in particular [organophosphates](#) (once compulsory in sheep dip but now banned after making many farmers seriously ill) - exposure can have serious long-term effects on your health.

Many aircraft are susceptible to fume events. Top of the list are: [British Aerospace 146](#) and [Boeing 767](#).

If you've ever felt ill, sick, tired and exhausted for days, weeks or months after a flight, you could well be suffering from Aerotoxic Syndrome.

Symptoms include:

- Chronic fatigue
- Respiratory problems - shortness of breath, chest tightness
- Cognitive dysfunction, bad short-term memory, confusion
- Dizziness, light-headedness
- Heart palpitations
- Digestive problems - nausea, diarrhoea
- Speech problems - slurring words, word-finding difficulties



LATEST ...

- Website link added: [A Way Through Chronic Fatigue Syndrome](#) (9 October 2009)
- [Flightglobal: The solution for the problem that don't exist](#) (8 October 2009)
- [Organophosphates report](#) (4 October 2009)
- [Letter from an air filtration expert](#) (4 October 2009)
- [BAE Systems: Dollars for arms contracts and dollars for health](#) (2 October 2009)
- [Letter to MPs: Urgent call for fumes data](#) (1 October 2009)
- [US law firm says flight attendant bleed air lawsuit: Press release](#) (29 September 2009)
- [Daily Mail: Are we being poisoned by fumes in holiday jets?](#) (25 September 2009)

PLEASE DONATE

You can donate here with PayPal or credit card

Amount:

<http://www.aerotoxic.org/>

<http://www.aerotoxic.org/index.php/incident-reports>

Synthetic jet engine oils



- MIL SPEC 23699F
- TCP: 3% - ortho meta and para isomers
- PAN: 1%
- Base stock
- Proprietary compounds.

TCP + TMP = TMPP

US Navy 1989 – BP 2380



Naval Submarine Medical Research Laboratory
NSMRL Special Report 8204-3 9 August 1989

AD-A215 188

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FINAL REPORT
ANALYSIS OF HYDROLYTIC FLUIDS AND LUBRICATING OILS FOR THE
FORMATION OF TRIMETHYLPHOSPHATE (TMP-P)

A. S. CALLAWAY, Ph.D., S. V. TAPPA, Ph.D.,
L. W. HOOKER and E. HESSEL

Biochemical Sciences Department
Naval Submarine Medical Research Laboratory
Box 100, Naval Submarine Base, Groton, Connecticut 06340-1000

PREPARED FOR:
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Reviewed by:
C. A. HARVEY
CAPT, MC, USN
Commanding Officer
Hutchinsonville

Approved for public release; distribution unlimited

89 12 04 022

EXECUTIVE SUMMARY

Twenty-six different oils, hydraulic fluids and lubricants in the U.S. Navy inventory were screened for yield of the reagent triethylphosphite (TEP-P) in order to obtain an estimate of safety hazard potential.

A commercially available synthetic aircraft engine oil (Breon 2380) with a demonstrated yield of TEP-P was studied to establish the optimal temperature and pyrolysis time conditions for TEP-P production.

Results of the analysis indicate that in the Breon 2380 synthetic oil, TEP-P is formed very rapidly (within 5 minutes) with formation beginning in a temperature range of 350 to 400°C. The yield of TEP-P increases as a function of temperature and achieves a maximum yield at 450-500°C. Above this temperature, the TEP-P yield decreases rapidly to zero at 600°C probably due to thermal decomposition. At optimal temperature for TEP-P production (450°C) the yield of TEP-P increases as a function of temperature, reaching a maximum between 30 and 60 minutes. After 60 minutes, the yield of TEP-P decreases, attributable to a competition between TEP-P formation and thermal decomposition. At 90 minutes the yield of TEP-P is only 48% of the maximum yield at 60 minutes.

Only one of the twenty-six oils from the U. S. Navy inventory gave evidence of TEP-P formation. The maximum TEP-P yield of oil (MIL-L-23690C) was only 1.9% (110 mg/l) of the maximum yield (4241 mg/l) for the Breon 2380 synthetic engine oil.

Results obtained in the Naval Submarine Medical Research Laboratory (NSMRL) study for Breon 2380 have been found to be in good agreement with results obtained at National Transportation Safety Board and University of Colorado. Results reported from these three laboratories have been applied to an assessment of the hazard potential of hydrolytic oils and lubricants assessed in this study.

The conclusions and recommendations resulting from this study are as follows:

CONCLUSIONS

- It is possible to generate large quantities of TEP-P from Breon 2380 oil under laboratory conditions.
- Of the 26 oils which were analyzed and which were actually found in the U.S. Navy inventory, only one, MIL-L-23690C, demonstrated evidence of formation of TEP-P. It appeared to produce only 1/10 the TEP-P of Breon 2380.

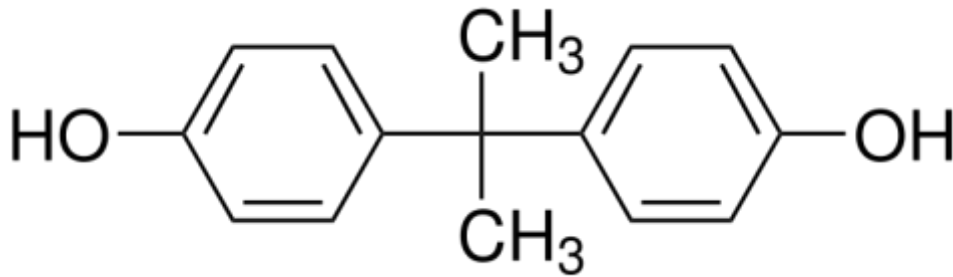
Recommendations

- Research should be initiated for overall toxicity of combined, combustion byproducts rather than for any individual combustion product present.
- All polyol ester based synthetic oils in the U.S. Navy inventory should be tested for their hydrolytic production.
- The Breon 2380 formulation for MIL 23690 would not be included in the U.S. Navy inventory because of its high potential for producing TEP-P on pyrolysis.

Page 3 of 3

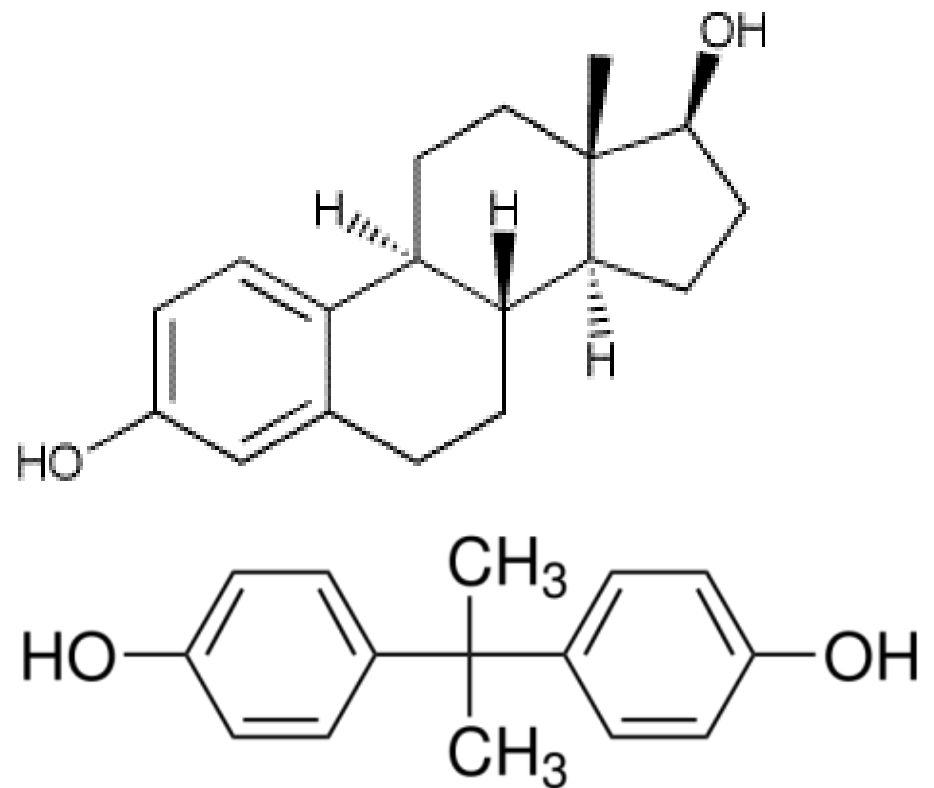
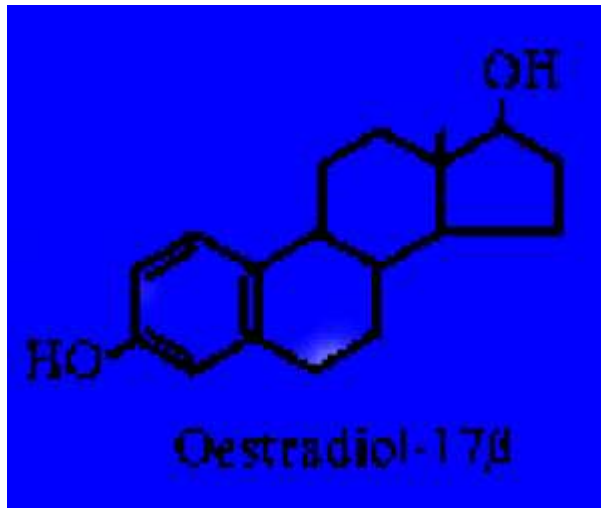
BPA lekker ut fra plast

Bisfenol A (BPA)

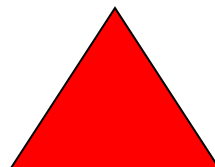
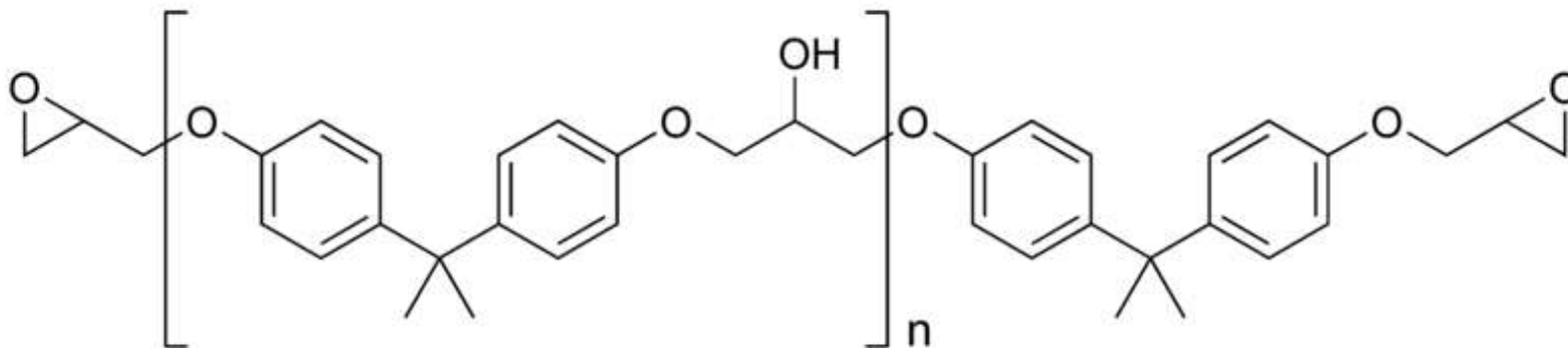


Battles Over Bisphenol A

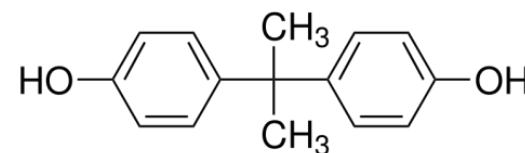
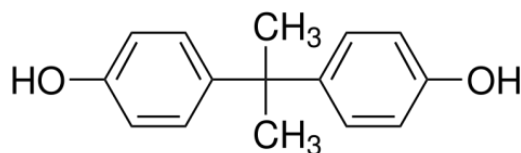
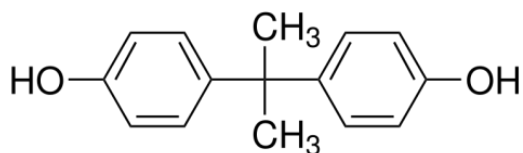
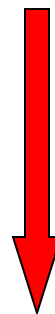
http://www.defendingscience.org/case_studies/Battles-Over-Bisphenol-A.cfm



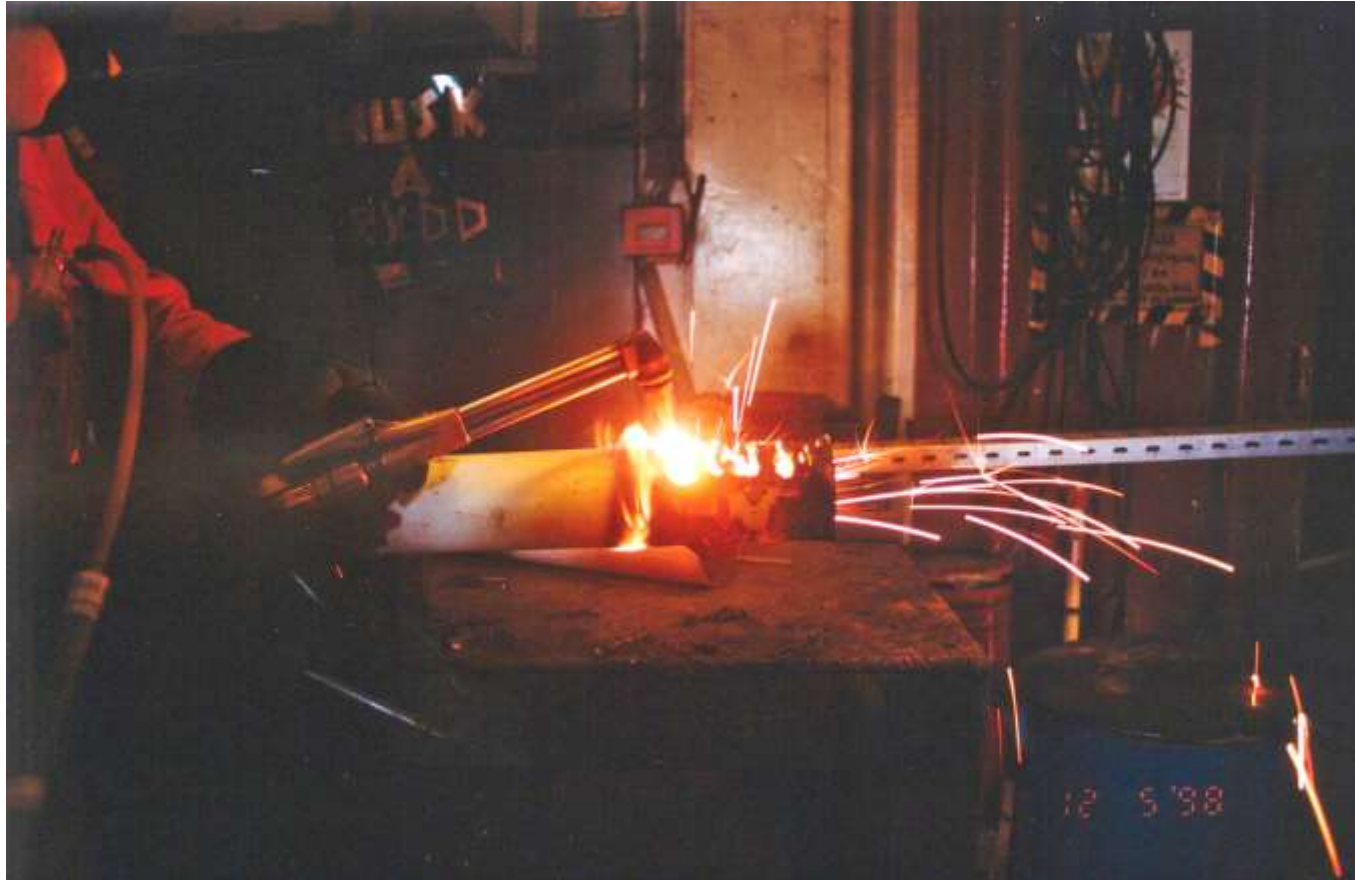
Diglycidyleter av bisfenol a tilbakedanner BPA ved termisk dekomponering



VARME



Termisk dekomponering av maling



Present knowledge regarding exposure and possible health effects of “hot work” in coated metal parts offshore

<http://www.ptil.no/getfile.php/PDF/Vedlegg7.pdf>

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📄 Denne siden er på engelsk ▼ Vil du ha den oversatt? Oversett Nei takk

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 [Available](#)

Diacetyl/Popcorn Workers Lung The artificial butter flavoring substance diacetyl causes severe respiratory illness in workers. Read more: [case study](#), [documents](#), [background](#)

Food and Drug Administration SKAPP is working to strengthen the FDA. Read more: [events](#), [documents](#), [background](#)

The Project on Scientific Knowledge and Public Policy (SKAPP) is part of the [Department of Environmental & Occupational Health](#) at the George Washington University School of Public Health & Health Services (Read more [about us](#))

Celeste Monforton Testifies in House
4/28/10 - On Workers Memorial Day, Celeste Monforton testified at the House Education & Labor Committee's Workforce Protections Subcommittee hearing on the Protecting America's Workers Act ([Read more](#))

SKAPP Releases Results of Scientists in Government Research
3/3/10 - SKAPP's new report *Strengthening Science in Government: Advancing Science in the Public's Interest* identifies concrete steps that agencies and the executive branch can take to strengthen federal science. ([Read more](#))

Senate Confirms David Michaels to Head OSHA
12/4/09 - The US Senate confirmed David Michaels as the new Assistant Secretary of Labor for Occupational Safety and Health.

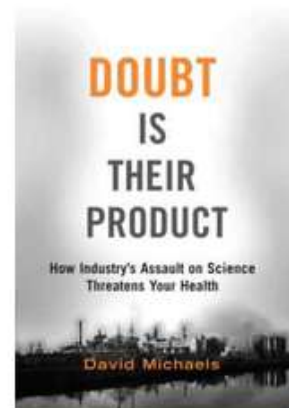
Welcome to the Project on Scientific Knowledge and Public Policy (SKAPP)

SKAPP authors also write at

The Pump Handle Blog

Doubt is Their Product: How Industry's Assault on Science Threatens Your Health

Read the eye-opening exposé by GWU Environmental & Occupational Health Department Interim Chair David Michaels (Oxford University Press, 2008).



www.defendingscience.org



Plenty of foods harbor BPA, study finds

Packaging is pegged as the most likely source.

By [Janet Raloff](#)

Web edition : Tuesday, November 2nd, 2010

A+ A* Text Size

Some communities have [banned](#) the sale of plastic baby bottles and sippy cups manufactured using [bisphenol A](#), a hormone-mimicking chemical. In a few grocery stores, cashiers have already begun donning gloves to avoid handling thermal receipt paper out of fear its BPA-based surface [coating](#) may rub off on the fingers. But how's a family to avoid exposure to this contaminant when it taints the food supply?

It's a question many people may start asking in response to data posted online November 1 in [Environmental Science & Technology](#) by a team of university and government scientists. Indeed, the last author on the paper is Linda Birnbaum, [director](#) of the [National Institute of Environmental Health Sciences](#).

In recent years, she's teamed up with toxicologist [Arnold Schecter](#) of the [University of Texas School of Public Health](#) on market-basket analyses of foods for various potentially toxic pollutants. Like Birnbaum, Schecter initially gained renown for studying [dioxins](#). Now, both have moved into the BPA arena.

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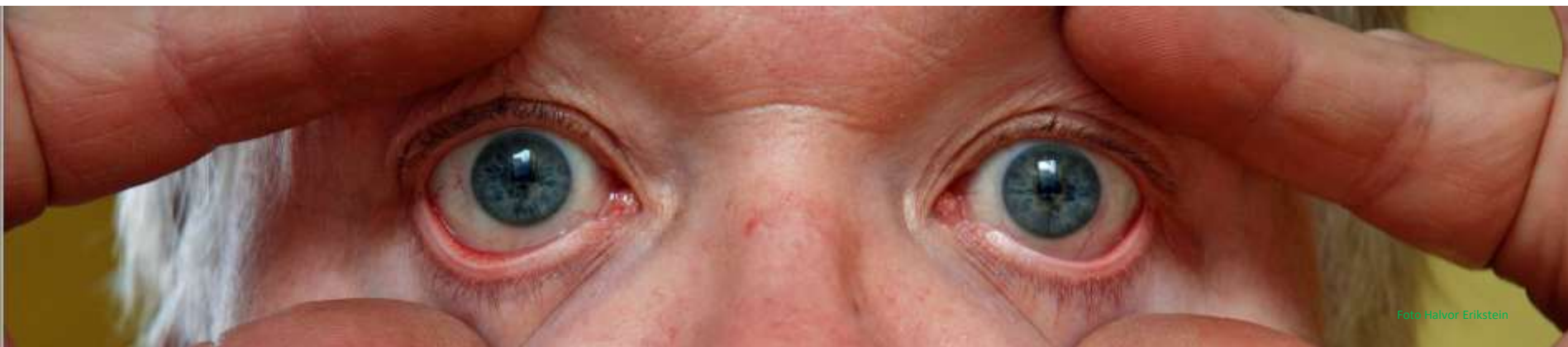
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