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ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

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DataChem News

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OSHA to Publish New Guidelines for Diacetyl Workplace Exposure

The Occupational Safety and Health Administration (OSHA) is currently requesting data and comments on issues related to occupational exposure to food flavorings containing diacetyl. The relationship between diacetyl and adverse health effects will be reviewed. Currently there are no specific standards for exposure to diacetyl. In 2007 OSHA enacted a National Emphasis Program for microwave popcorn processing plants to limit worker exposure. The January 21, 2009 issue of the Federal Register

What is "Popcorn Lung"

Popcorn lung is referred to as Bronchiolitis obliterans. It is a life-threatening lung condition that results in non-reversible obstructive lung disease. This lung disease is characterized by fixed airway obstruction, inflammation and scarring. In rare instances Bronchiolitis obliterans can be caused by inhalation of airborne Diacetyl in food processing plants that use the chemical for butter flavoring. This condition first came to the attention of the medical community in 2000 when eight employees at a popcorn manufacturing plant in Missouri developed the disease. For additional information on Popcorn Lung visit

<http://www.osha.gov/SLTC/flavoringlung/index.html>

contains an OSHA Advance Notice of Proposed Rulemaking on occupational exposure to diacetyl. The latest proposal seeks public comments on issues related to occupational exposure, the relationship of exposure and adverse health effects, methods to evaluate and monitor exposure, methods to control exposure, employee training, medical observation for adverse health effects and other related topics. Public comments will be accepted for 90 days. You can log on to www.regulations.gov and follow the online instructions to submit comments.

For further information on this latest proposal visit: <http://frwebgate.access.gpo.gov/cgi-bin/multidb.cgi>.

To view the OSHA Trade News Release on the proposed rulemaking visit: www.osha.gov and search Diacetyl proposed rule.

Analysis of the Month Diacetyl/Acetoin Analysis

For the month of February ALS DataChem is offering Diacetyl/Acetoin Analysis using NIOSH 2557 for 10% off our current price.

For further details contact us at info@datachem.com
For a complete list of Salt Lake's analytical services visit us at www.datachem.com.

To take advantage of the offer simply refer to the newsletter in your analytical request. Discount is only available at our Salt Lake facility.



Diacetyl has raised concerns as to its potential to cause harm when heated and inhaled over extended periods of time.

The Food and Drug Administration and Dietary Supplements

- Dietary Supplements are regulated by the Food and Drug Administration (FDA).
- Although they are regulated as foods, they are regulated differently from other foods and from drugs.
- By definition a Dietary Supplement is: intended to supplement the diet, contains one or more dietary ingredients, is intended to be taken by mouth and is labeled as a Dietary Supplement.
- The FDA does not consider products Dietary Supplements if they contain an active ingredient that the FDA has already approved for use in a drug.
- The FDA regulates label claims on Dietary Supplements.
- The FDA reviews the safety of Dietary Supplement ingredients that were not sold prior to October 15, 1994.

For additional background information on Dietary Supplements visit <http://ods.od.nih.gov/factsheets/dietarysupplements.asp>

Pocket Field Reference Guide

ALS DataChem is publishing its first Sampling Pocket Guide to assist in sample collection. This handy guide is small enough to comfortably fit in your shirt or back pocket and contains a wealth of information. Listed in alphabetical order, analytes are easily located in the guide. Take a look at the chart below to see a sample of the information the guide contains:

Analyte	Method	Flow [L/min]	Vol. [L]	Media	Ship
1- and 2-Bromopropane	1025	0.01—0.2	0.1L; 12L	SKC 226-01 or 226-121	
1,1,1-Trichloroethane	14	0.2	3L	SKC 226-01	See method
1,1,2,2-Tetrabromoethane	2003	0.2—1.0	50L @ 1ppm; 100L	SKC 226-10	

We have received several requests for a copy once the guide is produced. If you have not yet sent in your request, and would like a copy, please contact your Project Manager, call 1-800-356-9135 or email us at marketing@datachem.com. Include your name and contact information. We will mail the guides to those that have requested them within the next few weeks.

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