

Health Hazard Evaluation Reports

BOOK CHAPTERS

POSTERS

NIOSH Bibliography of Communication and Research Products 2010

NIOSH Bibliography of Communication and Research Products 2010

Fatality Assessment and Control Evaluation Reports

Journal Articles

ALERTS

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ABSTRACTS

CONTROL TECHNOLOGY REPORTS



DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health



NIOSH BIBLIOGRAPHY OF COMMUNICATION AND RESEARCH PRODUCTS

2010

A Listing of NIOSH Publications for Calendar Year 2010

Department of Health and Human Services
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health
Washington, DC

April 2011

FOREWORD

We strive for excellence in our scientific endeavors and in the publications of our work. This bibliography is our effort to provide the best scientific information possible to maintain and improve safety and health at work. I believe that this bibliography reflects and reinforces the NIOSH values of relevance, quality, and impact, and demonstrates the consistent commitment of NIOSH and our partners to all workers as they face challenges to be safe and healthy while contributing to our nation's productivity. Please explore these products further and distribute them freely in workplaces and to our colleagues in the occupational health and safety community.

A handwritten signature in black ink, appearing to read "J. Howard", with a long horizontal flourish extending to the right.

John Howard, M.D.
Director, National Institute for Occupational
Safety and Health

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I. JOURNAL ARTICLES

- 0001.** Ahn Y-S, Won J-U, Park RM [2010]. Cancer morbidity of foundry workers in Korea. *J Korean Med Sci* 25(12):1733–1741.
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- 0003.** Anderson SE, Munson AE, Butterworth LF, Germolec D, Morgan DL, Roycroft JA, Dill J, Meade BJ [2010]. Whole-body inhalation exposure to 1-bromopropane suppresses the IgM response to sheep red blood cells in female B6C3F1 mice and Fisher 344/N rats. *Inhal Toxicol* 22(2):125–132.
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- 0005.** Anderson VP, Mulhern B [2010]. Focus on: risk management. Don't let costly slip and fall injuries trip you up. *CSA* 86(3):40, 42–43.
NORA: Wholesale and Retail Trade
- 0006.** Andrews RN, Seliskar CJ, Heineman WR [2010]. Electrochemical and optical behavior of 8-hydroxypyrene-1,3,6-trisulfonic acid at optically transparent electrodes. *Electroanalysis* 22(14):1557–1565.
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NORA: Manufacturing: Services
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NORA: Manufacturing

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NORA: Healthcare and Social Assistance

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NORA: Transportation, Warehousing and Utilities

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NORA: Construction

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- 0041.** Camargo HE, Ravetta PA, Burdisso RA, Smith AK [2009]. Application of phased array technology for identification of low frequency noise sources. *J Low Freq Noise, Vib Active Control* 28(4):237–244.
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NORA: Mining

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NORA: Healthcare and Social Assistance

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NORA: Healthcare and Social Assistance

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NORA: Agriculture, Forestry and Fishing

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NORA: Manufacturing

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NORA: Services

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- 0074.** Cunningham TR, Galloway-Williams N, Geller ES [2010]. Protecting the planet and its people: how do interventions to promote environmental sustainability and occupational safety and health overlap? *J Saf Res* 41(5):407–416.
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- 0075.** Cunningham TR, Sinclair RC, Harney AMG, Smallwood SW, Christianson AL [2010]. A safety information campaign to reduce sharps injuries: results from the stop sticks campaign. *J Commun Healthcare* 3(3–4):164–184.
- 0076.** Curwin BD, Hein MJ, Barr DB, Striley C [2010]. Comparison of immunoassay and HPLC-MS/MS used to measure urinary metabolites of atrazine, metolachlor, and chlorpyrifos from farmers and non-farmers in Iowa. *J Expo Sci Environ Epidemiol* 20(2):205–212.
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NORA: Services
- 0083.** De Rosa MI, Litton CD [2010]. Rapid detection and suppression of mining equipment cab fires. *Fire Technol* 46(2):425–435.
NORA: Mining
- 0084.** Decker JA, DeBord DG, Weston A, Hoover MD [2010]. Exploring the exposome. *Synergist* 21(6):32–33.
- 0085.** Deitchman S, Miller C, Jones RL, Whitcomb RC Jr., Nemhauser JB, Halpin J, Sosin D, Popovic T, Uranek K [2010]. CDC grand rounds: radiological and nuclear preparedness. *MMWR* 59(36):1178–1181.

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- 0087.** Ding M, Zhao JS, Bowman L, Lu YJ, Shi XL [2010]. Inhibition of AP-1 and MAPK signaling and activation of Nrf2/ARE pathway by quercitrin. *Int J Oncol* 36(1):59–67.
- 0088.** Dodrill MW, Fedan JS [2010]. Lipopolysaccharide hyperpolarizes guinea pig airway epithelium by increasing the activities of the epithelial Na(+) channel and the Na(+)-K(+) pump. *Am J Physiol Lung Cell Mol Physiol* 299(7):L550–L558.
- 0089.** Dong RG, McDowell TW, Welcome DE, Wu JZ [2010]. An evaluation of the methods for deriving representative frequency response functions of the human whole-body system. *Ind Health* 48(5):596–605.
- 0090.** Dong RG, Rakheja S, McDowell TW, Welcome DE, Wu JZ [2010]. Estimation of the biodynamic responses distributed at fingers and palm based on the total response of the hand-arm system. *Int J Ind Ergon* 40(4):425–436.
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- 0092.** DuCarme JP, Kwitowski AJ, Bartels JR [2010]. Operating speed assessments of underground mining equipment. *Min Eng* 62(3):39–45.
- 0093.** Edmonds J, Clark P, Williams L, Lindquist HD, Martinez K, Gardner W, Shadomy S, Hornsby-Myers J [2010]. Multigeneration cross contamination of mail with *Bacillus* species spores by tumbling. *Appl Environ Microbiol* 76(14):4797–4804.
- 0094.** Eggerth DE, Flynn MA [2010]. When the third world comes to the first: ethical considerations when working with Hispanic immigrants. *Ethics Behav* 20(3–4):229–242.
NORA: Construction
- 0095.** Enright PL, Skloot GS, Cox-Ganser JM, Udasin IG, Herbert R [2010]. Quality of spirometry performed by 13,599 participants in the World Trade Center Worker and Volunteer Medical Screening Program. *Respir Care* 55(3):303–309.
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- 0096.** Erdely A, Kepka-Lenhart D, Salmen-Muniz R, Chapman R, Hulderman T, Kashon M, Simeonova PP, Morris SM Jr. [2010]. Arginase activities and global arginine bioavailability in wild-type and ApoE-deficient mice: responses to high fat and high cholesterol diets. *PLoS ONE* 5(11):e15253.
- 0097.** Esterhuizen GS, Dolinar DR, Ellenberger JL [2010]. Pillar strength in underground stone mines in the United States. *Int J Rock Mech Min Sci* 48(1):42–50.

- 0098.** Estes CR, Jackson LL, Castillo DN [2010]. Occupational injuries and deaths among younger workers—United States, 1998–2007. *JAMA* 304(1):33–35.
- 0099.** Estes CR, Jackson LL, Castillo DN [2010]. Occupational injuries and deaths among younger workers—United States, 1998–2007. *MMWR* 59(15):449–455.
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- 0101.** Fekedulegn D, Andrew M, Violanti J, Hartley T, Charles L, Burchfiel C [2010]. Comparison of statistical approaches to evaluate factors associated with metabolic syndrome. *J Clin Hypertens* 12(5):365–373.
- 0102.** Fent KW [2010]. Case studies: evaluation of chemical hazards at a criminal investigation section of a police department. *J Occup Environ Hyg* 7(10):D73–D78.
NORA: Services
- 0103.** Fingerhut M [2010]. Implementing the global plan of action for workers health. *J Occup Saf Health* 18(2):182–195.
- 0104.** Fisher E, Shaffer R [2010]. Survival of bacteriophage MS2 on filtering facepiece respirator coupons. *Appl Biosafety* 15(2):71–76.
NORA: Healthcare and Social Assistance
- 0105.** Fisher EM, Williams J, Shaffer RE [2010]. The effect of soil accumulation on multiple decontamination processing of N95 filtering facepiece respirator coupons using physical methods. *J Int Soc Respir Prot* 27(1):16–26.
NORA: Healthcare and Social Assistance
- 0106.** Frasch HF, Zang L-Y, Barbero AM, Anderson SE [2010]. *In vitro* dermal penetration of 4-chloro-3-methylphenol from commercial metal working fluid and aqueous vehicles. *J Toxicol Environ Health, A* 73(20):1394–1405.
- 0107.** Fujishiro K, Diez Roux AV, Landsbergis P, Baron S, Barr RG, Kaufman JD, Polak JF, Hinckley Stukovsky K [2010]. Associations of occupation, job control and job demands with intima-media thickness: the multi-ethnic study of atherosclerosis (MESA). *Occup Environ Med* [Electronic publication–ahead of print].
NORA: Healthcare and Social Assistance
- 0108.** Fujishiro K, Gee GC, de Castro AB [2010]. Associations of workplace aggression with work-related well-being among nurses in the Philippines. *Am J Publ Health* [Electronic publication–ahead of print].
NORA: Manufacturing
- 0109.** Fujishiro K, Gong F, Baron S, Jacobson CJ Jr., DeLaney S, Flynn M, Eggerth DE [2010]. Translating questionnaire items for a multi-lingual worker population: the iterative process of

I. Journal Articles

translation and cognitive interviews with English-, Spanish-, and Chinese-speaking workers. *Am J Ind Med* 53(2):194–203.

NORA: Manufacturing: Construction

0110. Fujishiro K, Landsbergis PA, Diez Roux AV, Stukovsky KH, Shrager S, Baron S [2010]. Factorial invariance, scale reliability, and construct validity of the job control and job demands scales for immigrant workers: the multi-ethnic study of atherosclerosis. *J Immigrant Minority Health* [Electronic publication–ahead of print].

NORA: Healthcare and Social Assistance

0111. Fujishiro K, Xu J, Gong F [2010]. What does "occupation" represent as an indicator of socioeconomic status? Exploring occupational prestige and health. *Soc Sci Med* 71(12):2100–2107.

NORA: Manufacturing

0112. Fullerton CS, Reissman DB, Gray C, Flynn BW, Ursano RJ [2010]. Earthquake response and psychosocial health outcomes: applying lessons from integrating systems of care and recovery to Haiti. *Disaster Med Public Health Prep* 4(1):15–17.

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Agriculture, Forestry and Fishing

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NORA: Agriculture, Forestry and Fishing

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NORA: Services

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NORA: Services

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Manufacturing

0483. NIOSH [2010]. Catastrophic incidents in manufacturing. Cincinnati, OH: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2010–149.

NORA: Manufacturing

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NORA: Manufacturing

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Healthcare and Social Assistance

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NORA: Healthcare and Social Assistance

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Agriculture, Forestry and Fishing

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NORA: Agriculture, Forestry and Fishing

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NORA: Agriculture, Forestry and Fishing

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NORA: Agriculture, Forestry and Fishing

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NORA: Work Environment and Workforce: Special Populations

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NORA: Healthcare and Social Assistance: Manufacturing

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NORA: Construction: Mining

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NORA: Construction: Manufacturing

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NORA: Services: Public Safety

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NORA: Mining
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NORA: Mining
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NORA: Mining
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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Mining

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V. CONTROL TECHNOLOGY REPORTS

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VI. FATALITY ASSESSMENT AND CONTROL EVALUATION REPORTS

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VII. FIRE FIGHTER FATALITY INVESTIGATION AND PREVENTION REPORTS

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

VII. Fire Fighter Fatality Investigation and Prevention Reports

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Services: Public Safety

VII. Fire Fighter Fatality Investigation and Prevention Reports

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NORA: Services: Public Safety

0652. NIOSH [2010]. Career lieutenant dies following floor collapse into basement fire and a career fire fighter dies attempting to rescue the career lieutenant—New York. By Wertman SC. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2009–23.

NORA: Services: Public Safety

0653. NIOSH [2010]. Fire fighter/operator suffers sudden cardiac death while operating a fire engine at a structure fire—Louisiana. By Baldwin T, Hales T. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2009–26.

NORA: Services: Public Safety

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Combustible materials	0306
Combustion products	0306 0336 0419
Computer models	0135 0143 0149 0360 0448 0552 0581 0617 0618
Computer software	0143 0360 0446 0448 0496 0549 0618
Concretes	0044
Connective tissue	0438 0439
Construction equipment	0208 0502 0519 0524 0529 0530
Construction industry	0030 0044 0054 0079 0117 0118 0131 0155 0191 0207 0208 0244 0298 0299 0370 0380 0397 0406 0420 0502 0519 0531 0540 0544
Construction materials	0044 0079 0208 0420 0519
Construction workers	0030 0044 0079 0117 0118 0131 0155 0191 0207 0208 0244 0298 0299 0370 0380 0397 0406 0519 0524 0531 0540 0544 0683
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Control banding	0303
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Control systems	0232 0508 0526 0616 0634
Control technology	0037 0041 0044 0055 0091 0171 0173 0240 0242 0259 0268 0278 0365 0389 0390 0392 0409 0410 0411 0428 0431 0451 0452 0455 0468 0526 0542 0591 0600 0606 0617 0621 0634 0635 0636 0637 0679 0680 0683 0691
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Cutting tools	0237
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Cytokine	0254 0371
Cytology	0002 0238 0293
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Cytotoxicity	0307 0563
DNA damage	0297 0566
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Decontamination	0024 0104 0105 0281
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Diesel emissions	0034 0048 0049 0058 0216 0306 0324 0342 0343 0382 0411 0453 0543 0562 0576 0593 0688
Diesel engines	0049 0058 0324 0342 0343
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Disaster planning	0085 0483 0484 0520
Disaster prevention	0085 0381 0483 0484
Disease control	0195 0221 0222 0689
Disease incidence	0001 0052 0184 0225
Disease prevention	0017 0068 0075 0143 0160 0195 0225 0287 0405 0475 0476 0477 0478

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Disease prevention (cont.)	0479 0480 0526 0689
Disease transmission	0075 0206 0689
Disinfectants	0004 0227 0228
Dispersion	0348
Diving	0509 0510 0511 0512
Dose response	0025 0078 0128 0269 0301 0303 0339 0346 0415
Dosimetry	0269 0303 0339 0432 0433 0687
Drug abuse	0313
Drug interaction	0016
Drug therapy	0272 0692
Dry cleaning solvents	0040 0686
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Dust collection	0072 0194 0211 0278
Dust control equipment	0044 0055 0209 0258 0278 0537 0564 0572 0593 0595 0601
Dust counters	0260 0431 0455
Dust explosions	0580
Dust exposure	0044 0072 0167 0186 0191 0212 0248 0260 0261 0267 0341 0347 0389 0390 0566 0580 0626
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Dust inhalation	0035 0061 0071 0072 0191 0248 0267 0341 0389 0390
Dust measurement	0035 0260 0389 0390
Dust particles	0061 0071 0169 0191 0210 0211 0212 0248 0258 0260 0267 0341 0347 0487 0566 0580 0595 0601 0626 0685
Dust sampling	0191 0261 0431 0455
Dust suppression	0044 0209 0537 0572 0580
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Electrical fields	0370
Electrical hazards	0370
Electrical measurement devices	0617
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Electrical workers	0031 0370
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Electrochemical reactions	0006
Electromagnetic energy	0031 0387 0570 0693
Electromagnetic fields	0031 0387 0570 0693
Electromagnetic radiation	0693
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Electronic devices	0569 0571 0617
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Electrostatic filters	0175
Electrostatic precipitators	0234
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Emergency responders	0013 0029 0047 0082 0102 0125 0177 0279 0334 0466 0467 0489 0490 0491 0497 0499 0500 0520 0528 0536 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0652 0653 0654 0655 0656 0657 0658 0659 0660 0661 0662 0664 0665 0666 0667 0668 0669 0670 0671 0672 0673 0674 0675 0676 0688
Emergency treatment	0098 0099 0299 0434 0435 0440 0441
Emission sources	0048 0049 0230 0231
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Endotoxins	0464 0465 0626 0682
Energy metabolism	0144
Engineering controls	0037 0041 0044 0055 0091 0171 0173 0209 0240 0246 0250 0258 0259 0268 0278 0365 0389 0390 0392 0409 0410 0411 0428 0431 0432 0433 0451 0452 0453 0455 0464 0465 0468 0492 0508 0526 0537 0549 0572 0573 0574 0583 0591 0595 0596 0600 0601 0603 0615 0617 0621 0625 0634 0635 0636 0637 0640 0679 0680 0683 0691
Environmental sampling	0426
Environmental control	0151 0152 0242 0432 0433 0689
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Environmental factors	0047 0084 0136 0249 0357 0391 0407 0426
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Environmental health	0006 0047 0074 0335 0385 0391 0405 0407
Environmental physiology	0151 0152
Environmental pollution	0331 0385 0407 0626
Environmental stress	0383
Enzyme activity	0088 0295
Epidemiology	0020 0021 0027 0031 0038 0039 0052 0058 0067 0071 0076 0077 0110 0123 0127 0137 0140 0149 0153 0154 0159 0166 0176 0185 0202 0203 0215 0221 0222 0225 0243 0263 0277 0284 0288 0301 0314 0324 0325 0327 0334 0335 0341 0342 0343 0344 0349 0359 0364 0383 0384 0385 0387 0394 0414 0422 0425 0451 0452 0481 0482 0488 0516 0578 0619 0628
Epoxy compounds	0023
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Equipment design	0036 0037 0092 0131 0171 0223 0249 0251 0276 0290 0291 0351 0352 0387 0469 0470 0471 0472 0500 0502 0526 0570 0606 0617 0634 0635 0636 0645
Equipment operators	0036 0092 0223 0290 0315 0324 0365 0469 0470 0502 0529 0530 0573 0574 0596 0608 0646
Equipment reliability	0171 0190 0194 0281 0536 0617 0636
Ergonomics	0036 0060 0064 0079 0223 0270 0271 0276 0328 0351 0352 0353 0358 0360 0363 0398 0447 0586 0608
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Escape systems	0506 0507
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Exhaust gases	0049 0091 0543 0634 0688
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Exhaust ventilation	0044 0091 0102 0232 0634
Explosion prevention	0169 0428 0483 0484 0487 0580 0632 0633
Explosion protection	0483 0484 0580 0632
Explosive atmospheres	0181 0237 0428 0580 0632 0647
Explosive dusts	0169 0487 0580 0632
Explosive gases	0181 0428 0632 0633 0647
Explosive hazards	0428 0483 0484 0505 0632 0647 0658
Exposure assessment	0002 0004 0006 0008 0011 0014 0016 0019 0020 0021 0023 0025 0031

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Exposure chambers	0494
Exposure limits	0049 0138 0154 0248 0257 0262 0301 0304 0320 0383 0385 0400 0422 0423 0505 0574
Exposure methods	0002 0004 0006 0008 0011 0014 0016 0019 0020 0021 0031 0034 0035 0037 0042 0052 0057 0060 0062 0066 0070 0071 0072 0076 0077 0100 0129 0141 0142 0146 0147 0151 0152 0162 0165 0167 0168 0170 0171 0172 0174 0175 0179 0186 0187 0188 0189 0201 0205 0229 0238 0242 0243 0260 0286 0293 0294 0314 0315 0316 0328 0331 0332 0335 0346 0347 0353 0363 0365 0389 0390 0532 0533 0538 0539 0541 0545 0546 0548 0550 0555 0559 0560 0561 0562 0563 0566 0567 0568 0573 0575 0576 0577 0578 0579 0588 0589 0590 0592 0593 0594 0596 0599 0602 0604 0605 0610 0611 0613 0614 0618 0619 0622 0623 0624 0625 0626 0628 0629 0630 0631
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Fire fighting equipment	0060 0082 0337 0490 0528 0640 0641 0644 0652 0657 0663 0664 0669
Fire hazards	0237 0483 0484 0489 0490 0666
Fire prevention	0083 0367 0483 0484 0603 0615
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Genotoxic effects	0026 0134 0216 0217 0297 0558
Genotoxicity	0026 0134 0297 0420 0558
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Health disparities	0110
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Health care personnel	0016 0024 0029 0043 0046 0064 0065 0066 0075 0081 0108 0113 0114 0125 0183 0192 0225 0227 0228 0252 0272 0284 0285 0329 0335 0352 0354 0378 0447 0466 0467 0503 0504 0514 0515 0523 0527 0678 0687 0692 0694 0695
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Hearing conservation	0041 0139 0172 0323 0377 0399 0400 0404 0410 0412 0413 0416 0427 0430 0460 0461 0508 0534 0542 0574 0575 0600 0618 0631 0679 0687
Hearing disorders	0041 0080 0241 0399 0404 0410 0412 0413 0416 0427 0430 0460 0461 0492 0541 0542 0600
Hearing impairment	0041 0080 0145 0241 0399 0404 0410 0412 0413 0416 0427 0430 0460 0461 0492 0496 0508 0535 0542 0687
Hearing level	0145 0172 0315 0365
Hearing loss	0041 0080 0241 0323 0399 0400 0404 0410 0412 0413 0416 0427 0430 0460 0461 0492 0496 0508 0534 0535 0541 0542 0573 0575 0589 0596 0600 0618 0625 0631 0687
Hearing protection	0139 0172 0323 0377 0399 0404 0410 0413 0416 0427 0430 0460 0461 0492 0508 0534 0535
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Inhalants	0014 0061 0138 0243 0257 0304 0317 0318 0420 0550 0567 0579 0623
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Injury epidemiology	0064
Injury prevention	0005 0010 0030 0036 0037 0046 0060 0063 0068 0075 0077 0092 0113 0114 0118 0125 0131 0137 0155 0156 0158 0162 0170 0178 0202 0203 0207 0208 0223 0237 0239 0240 0244 0246 0250 0251 0271 0274 0279 0290 0291 0298 0325 0328 0329 0337 0338 0346 0350 0351 0352 0354 0363 0366 0370 0378 0405 0440 0441 0449 0462 0463 0469 0470 0471 0472 0477 0478 0479 0480 0488 0489 0490 0498 0500 0501 0509 0510 0511 0512 0514 0516 0517 0518 0524 0526 0527 0528 0529 0530 0534 0542 0546 0585 0586 0591 0606 0608 0637 0638 0639 0640 0641 0643 0644 0645 0646 0647 0650 0652 0657 0658 0666 0669
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Insecticides	0039 0193 0273 0400 0444 0445 0587 0682 0684
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Laboratory testing	0006 0008 0012 0014 0019 0056 0057 0059 0062 0087 0096 0102 0126 0130 0146 0167 0189 0201 0221 0222 0229 0230 0238 0272 0281 0294 0316 0331 0346 0347 0355 0373 0519 0532 0539 0545 0550 0555 0559 0563 0566 0567 0568 0573 0576 0578 0588 0590 0594 0602 0603 0604 0605 0613 0615 0619 0622 0623 0626 0628 0629
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Light properties	0366 0606
Light source	0296 0606
Lighting	0046 0047 0296 0366 0606
Lighting systems	0296 0366 0606 0607
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Longwall mining	0055 0091 0170 0180 0367 0409 0431 0455 0547 0549 0565 0601 0616 0627
Lung cancer	0001 0014 0213 0243 0287 0301 0324 0342 0343 0344 0345 0369 0402 0403 0406 0525
Lung cells	0007 0014 0015 0197 0213 0216 0346 0348 0402 0419 0602 0622 0626 0629
Lung disorders	0007 0014 0050 0073 0122 0143 0167 0176 0186 0189 0212 0216 0229 0243 0257 0269 0288 0289 0341 0345 0347 0369 0402 0403 0406 0431 0455 0473 0474 0533 0559 0563 0576 0588 0626 0679 0694
Lung fibrosis	0212 0216 0347 0431 0455 0473 0474
Lung function	0050 0143 0186 0189 0266 0289 0318 0347 0402 0622 0626 0629
Lung irritants	0007 0014 0088 0167 0186 0212 0216 0229 0243 0269 0318 0419 0442 0443 0533 0559 0563 0566 0576 0588 0626
Lung tissue	0073 0348 0402
Lymphatic system	0001 0532 0533 0576
Machine operation	0291 0365 0469 0470 0634 0635 0636
Machine operators	0036 0324 0365 0448 0573 0574 0589 0596
Machine shop workers	0691
Machine tools	0574
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Magnetic properties	0031 0387 0570 0630
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Measurement equipment	0032 0126 0170 0190 0230 0231 0311 0313 0358 0575 0584 0631

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Medical examinations	0025 0050 0648 0653 0655 0662 0670 0671
Medical facilities	0046 0066 0081 0153 0329 0352 0514
Medical monitoring	0160 0491 0521 0648 0670 0671
Medical personnel	0016 0046 0064 0065 0066 0075 0081 0108 0113 0114 0125 0192 0225 0272 0284 0329 0352 0354 0503 0504 0515 0521 0523 0527 0692
Medical treatment	0010 0066 0345 0503 0504 0692
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Mental disorders	0113 0329
Mental fatigue	0046
Mental health	0112 0127
Mental illness	0113 0329
Mental stress	0046 0127
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Metabolic study	0004 0076 0096 0101
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Metal compounds	0007 0052 0233 0322 0368 0400 0577 0630
Metal dusts	0007 0011 0267 0389 0533 0623 0630 0680 0685
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Metal industry workers	0011 0106 0233 0685
Metal mining	0220 0389 0455 0593 0597 0598
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Metal workers	0106 0317
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Microscopic analysis	0168 0189 0211 0234 0336 0539 0545 0548 0550 0561 0566 0567 0590 0594 0605 0610 0613 0623 0624
Microscopy	0023 0234 0336 0362 0545
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Mine shafts	0097 0236 0259
Mineral dusts	0580
Mineral processing	0184 0341 0580
Minerals	0119 0120
Miners	0034 0048 0058 0092 0239 0270 0289 0315 0324 0341 0342 0343 0366 0381 0389 0390 0392 0409 0410 0411 0417 0428 0448 0492 0501 0506 0507 0508 0534 0541 0542 0556 0562 0569 0571 0574 0593 0606 0607 0608 0618

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Mining equipment	0036 0041 0055 0058 0083 0092 0170 0209 0258 0268 0271 0290 0291 0306 0315 0342 0343 0365 0366 0410 0448 0506 0507 0536 0537 0547 0551 0552 0554 0562 0570 0572 0593 0595 0601 0603 0606 0617
Mining industry	0036 0041 0048 0055 0058 0063 0083 0091 0092 0097 0169 0170 0171 0177 0180 0181 0184 0209 0219 0223 0239 0240 0255 0258 0259 0268 0270 0271 0278 0289 0290 0291 0306 0315 0324 0341 0342 0343 0356 0365 0366 0367 0381 0389 0390 0392 0409 0410 0411 0417 0428 0431 0448 0450 0455 0468 0487 0492 0495 0501 0506 0507 0534 0535 0536 0537 0541 0542 0543 0546 0547 0549 0551 0552 0553 0554 0556 0557 0562 0564 0565 0569 0571 0572 0573 0574 0575 0580 0581 0582 0583 0584 0585 0586 0589 0591 0593 0595 0596 0597 0598 0600 0601 0603 0606 0607 0608 0609 0611 0615 0616 0617 0618 0620 0621 0625 0627 0631 0632 0633 0690
Mitosis	0297
Molds	0070 0397 0406 0677
Molecular biology	0087 0167 0168 0213 0235 0248 0264 0297 0307 0545 0555 0566 0578 0590 0592 0599 0605 0613 0622 0624
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Monitoring systems	0115 0202 0203 0290 0370 0536 0643
Morbidity rates	0001 0009 0040 0154 0184 0200 0202 0203 0204 0274 0341 0531 0540 0544
Morphology	0336
Mortality data	0009 0027 0040 0045 0052 0054 0098 0099 0159 0161 0224 0246 0274 0287 0300 0324 0334 0343 0414 0475 0476 0477 0478 0509 0510 0511 0512 0514 0522 0524 0528 0529 0530 0531 0540 0544
Mortality rates	0027 0040 0052 0054 0098 0099 0149 0154 0159 0161 0202 0203 0204 0224 0246 0274 0287 0334 0414 0469 0470 0500 0509 0510 0511 0512
Mortality surveys	0052 0159 0224 0334 0414
Motion studies	0032 0089 0373 0519
Motor vehicles	0125 0148 0500 0521 0524 0528 0640 0641 0644 0646 0657 0669
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Muscle physiology	0018 0019 0146 0353
Muscle stress	0018 0019 0079 0146 0353 0519
Muscular disorders	0018 0064
Musculoskeletal system disorders	0018 0114 0155 0223 0270 0271 0328 0333 0338 0351 0352 0353 0354 0447 0451 0452 0681
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Myeloid tissue	0128
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Nanotechnology	0023 0056 0100 0115 0116 0165 0168 0182 0189 0216 0229 0230 0231 0232 0233 0234 0238 0245 0260 0267 0269 0280 0293 0297 0303 0304 0307 0308 0336 0346 0347 0348 0359 0362 0372 0402 0418 0424 0494 0566 0590 0594 0610 0612 0624 0630
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Neurological reactions	0147 0179 0193 0264 0317 0373 0521 0533 0539 0567 0587 0594 0677 0686
Neurological system	0086 0129 0256 0316 0317 0333 0371 0373 0539 0587 0594
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Noise exposure	0139 0172 0173 0315 0323 0365 0399 0404 0410 0413 0416 0427 0430 0432 0433 0460 0461 0496 0508 0534 0574 0575 0589 0618 0631 0687
Noise frequencies	0172 0315 0377
Noise induced hearing loss	0041 0080 0139 0172 0173 0315 0323 0365 0377 0399 0400 0404 0410 0413 0416 0427 0430 0432 0433 0460 0461 0492 0508 0541 0542 0573 0574 0596 0600 0625 0687
Noise levels	0172 0173 0315 0365 0399 0404 0410 0413 0416 0427 0430 0432 0433 0534 0541 0573 0589 0596 0625 0687
Noise measurement	0139 0172 0315 0365 0432 0433 0541 0573 0589 0596 0625 0687
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Noise propagation	0041 0173
Noise protection	0323 0377 0399 0404 0410 0413 0416 0427 0430 0508 0574
Noise shields	0365
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Occupational hazards	0020 0021 0037 0038 0046 0052 0054 0060 0066 0071 0072 0075 0081 0098 0099 0113 0114 0121 0125 0129 0130 0137 0142 0153 0162 0186 0204 0215 0219 0229 0244 0271 0274 0296 0314 0327 0328 0333 0352 0354 0363 0365 0366 0384 0385 0393 0434 0435 0436 0437 0438 0439 0440 0441 0469 0470 0471 0472 0479 0480 0483 0484 0498 0509 0510 0511 0512 0523 0529 0530 0531 0533 0534 0540 0544 0548 0562 0579 0593
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Occupational health programs	0052 0075 0103 0117 0166 0475 0476 0477 0478 0479 0480 0498 0526
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Occupational respiratory disease	0142 0229 0289 0294 0397 0401 0421
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Particulate dust	0035 0042 0055 0056 0061 0071 0072 0169 0189 0191 0210 0211 0229 0242 0248 0260 0267 0335 0341 0347 0362 0406 0418 0453 0494 0543 0545 0548 0566 0567 0568 0580 0605 0613 0623 0626 0683 0685
Particulate sampling methods	0056 0061 0151 0152 0175 0191 0231 0234 0242 0336 0562 0593 0635 0636
Particulates	0023 0034 0035 0042 0048 0049 0056 0116 0138 0141 0151 0152 0165 0167 0168 0169 0174 0175 0182 0189 0197 0201 0210 0211 0229 0232 0238 0242 0260 0267 0293 0304 0306 0307 0335 0343 0347 0362 0418 0424 0453 0494 0533 0543 0545 0548 0550 0559 0562 0563 0566 0567 0568 0576 0578 0579 0588 0592 0593 0594 0602 0605 0610 0613 0619 0622 0623 0628 0630 0683 0685 0688
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Pesticides	0039 0076 0193 0227 0228 0273 0386 0400 0587 0682 0684
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Physiological function	0079 0243 0663
Physiological measurements	0059 0079 0140 0201 0286 0337 0346
Physiological response	0014 0015 0016 0067 0079 0096 0140 0166 0197 0201 0242 0253 0285 0286 0307 0337 0346 0357 0371 0560 0594 0614
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Pulmonary disorders	0007 0050 0071 0122 0142 0163 0167 0206 0229 0243 0257 0269 0289 0294 0297 0307 0318 0344 0406 0533 0559 0563 0566 0576 0588 0626
Pulmonary function tests	0050 0122 0142 0266
Pulmonary system disorders	0007 0008 0014 0050 0052 0061 0071 0072 0073 0088 0122 0138 0142 0159 0163 0176 0184 0185 0186 0212 0216 0224 0225 0229 0243 0262

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Rescue workers	0638 0664
Respirable dust	0023 0044 0055 0058 0061 0185 0191 0194 0209 0229 0247 0258 0267 0268 0269 0278 0318 0324 0341 0342 0343 0406 0431 0455 0537 0557 0564 0566 0572 0595 0601 0680 0682 0683 0690
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Respiratory protective equipment	0024 0104 0105 0126 0196 0280 0282 0283 0284 0285 0286 0357 0374 0376 0418 0442 0443 0446 0454 0456 0457 0548 0672 0673 0680 0682 0683 0686 0688 0689 0690 0694 0695
Respiratory system disorders	0007 0008 0014 0035 0050 0052 0061 0071 0072 0073 0122 0138 0143 0159 0160 0163 0176 0184 0185 0186 0205 0206 0212 0224 0225 0229 0243 0248 0257 0261 0266 0268 0269 0288 0297 0305 0316 0318 0319 0324 0326 0341 0342 0343 0344 0345 0369 0389 0390 0397 0401 0402 0403 0406 0421 0431 0455 0464 0465 0473 0474 0525 0559 0561 0563 0576 0588 0612 0619 0677 0679 0680 0682 0689 0694
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Safety engineering	0037 0130 0249 0352 0387 0392 0428 0514 0534 0570
Safety equipment	0083 0125 0130 0244 0249 0291 0366 0387 0505 0506 0507 0534 0562 0570 0593 0606 0607 0657 0669
Safety measures	0037 0067 0075 0083 0125 0136 0162 0219 0239 0244 0249 0291 0387 0392 0428 0513 0517 0528 0534 0542 0562 0570 0593 0606 0644 0645 0664
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Underground mining	0034 0037 0041 0048 0049 0055 0091 0092 0097 0170 0171 0177 0180 0181 0184 0209 0220 0223 0236 0237 0239 0240 0255 0258 0259 0268 0270 0296 0306 0315 0341 0356 0367 0381 0387 0390 0392 0409 0410 0411 0428 0431 0448 0455 0468 0487 0492 0495 0506 0507 0534 0536 0537 0542 0543 0546 0547 0549 0551 0552 0553 0554 0556 0557 0562 0564 0565 0569 0570 0571 0572 0573 0574 0580 0581 0582 0583 0584 0585 0586 0589 0591 0593 0595 0596 0597 0598 0601 0603 0606 0607 0609 0611 0615 0616 0617 0620 0621 0627 0632 0633 0690
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