



**Organic Peroxide Producers Safety Division**  
**The Society of the Plastics Industry, Inc.**  
**1667 K Street, NW, Suite 1000**  
**Washington, DC 20006-1620**

## **Frequently Used Acronyms in the Organic Peroxide Industry**

"A"

ACC - American Chemistry Council  
ACGIH- American Conference of Governmental Industrial Hygienists  
AEGLE- Acute Exposure Guideline Level (EPA)  
AFFF- Aqueous Film-Forming Foam  
AIChE- American Institute of Chemical Engineers  
AIHA- American Industrial Hygiene Association  
ANSI- American National Standards Institute  
APC- American Plastics Council

"B"

BAM- German Federal Institute for Materials and Testing  
BPO- Benzoyl Peroxide

"C"

CAA Competent Authority Approval  
CAS Chemical Abstract Services  
CASRN- Chemical Abstract Services Registry Number  
CCFS- Committee to Coordinate Fire Safety at SPI  
CEFIC-European Chemical Industry Council  
CEPA- Canadian Environmental Protection Act  
CFR- Code of Federal Regulations  
CHEMTREC- Chemical Transportation Emergency Center  
CHP- Cumene Hydroperoxide  
CMR- Carcinogenic Mutagenic, or Toxic to Reproduction  
CPIA- Canadian Plastics Industry Association  
CPSC- Consumer Product Safety Commission (US)  
CBI- Confidential Business Information

## Frequently Used Acronyms in the Organic Peroxide Industry

### "D"

DECHMA- German Society for Chemical Apparatus, Chemical Engineering and Biotechnology  
DEHPB- di(2-ethylhexyl) peroxydicarbonate  
DG- Director General  
DNEL- Derived No-Effect level  
DOT- Department of Transportation (US)  
DTAP- di-t-Amyl Peroxide  
DTBP- di-t-Butyl Peroxide  
DSL- Domestic Substance List (Canada)  
DU- Downstream User

### "E"

EC- Environment Canada  
EC- European Commission  
ECHA- European Chemicals Agency  
ECJ- European Court of Justice  
EDG- Electronic Discussion Board (OECD)  
EINECS- European Inventory of Existing Commercial Chemical Substances  
ELINCS- European List of Notified Chemical Substances  
EMRTC- Energetic Materials Research and Testing Center of New Mexico Tech  
EOPSM- European Organic Peroxides Safety Meeting  
EOPSG- European Organic Peroxide Safety Group  
EPA- Environmental Protection Agency (US)  
EU- European Union

### "F"

FDA- Food and Drug Administration (US)  
FELS- Fish Early Life Stage

### "G"

GHS- Global Harmonization System  
g/kg- Grams per kilogram  
GLP- Good Laboratory Practices

## Frequently Used Acronyms in the Organic Peroxide Industry

### "H"

HAZOPS- Hazard and Operability Study  
HC- Health Canada  
HCS- Hazard Communication Standard (USA)  
HEDSET- Harmonized Electronic Data Set  
HMIS- Hazardous Materials Identification System  
HMR- Hazardous Material Regulation -- US DOT  
HPLC- High Pressure Liquid Chromatography  
HPV- High Production Volume (US EPA)  
HSE- Health and Safety Executive (United Kingdom)

### "I"

IARC- International Agency for Research on Cancer  
IATA- International Air Transport Association  
IBC- Intermediate Bulk Container  
ICAO- International Civil Aviation Organization  
ICC- International Chamber of Commerce  
ICCA- International Council of Chemical Associations  
IGUS- International Group of Experts on The Explosion Risks of Unstable Substances  
ILO- International Labor Organization  
IPP- diisopropyl peroxydicarbonate  
IMO- International Maritime Organization  
ISBP- di-sec-butyl peroxydicarbonate  
ITC- Interagency Testing Committee (US EPA)  
IUBMB- International Union of Biochemistry and Molecular Biology  
IUCLID- International Uniform Chemical Information Database  
IUPAC- International Union of Pure and Applied Chemistry

### "J"

JBCE- Japan Business Council in Europe  
JCIA- Japan Chemical Industry Association

### "L"

LC- 50 Median Lethal Concentration  
LCA- Life Cycle Assessment  
LD- 50 Median Lethal Dose  
LEL- Lower Explosive Limit of a flammable material  
LERC- Local Emergency Response Commission (USA)

## Frequently Used Acronyms in the Organic Peroxide Industry

### "M"

MAC- Maximum Acceptable Concentration  
MARAD- Maritime Administration -- US DOT  
MEKP- Methyl Ethyl Ketone Peroxide  
MERAG - Metal Risk Assessment Guidance  
MOE- Margin of Exposure  
MOS- Margin of Safety  
MSDS- Material Safety Data Sheets

### "N"

NAFTA- North American Free Trade Agreement  
NAS- National Academy of Sciences (USA)  
NCI- National Cancer Institute (USA)  
NEL- no-effect level  
NIEHS- National Institute of Environmental Health Science  
NFPA- National Fire Protection Association  
NGO- Non Governmental Organization  
NIOSH- National Institute for Occupational Safety and Health  
NTP- National Toxicology Program

### "O"

ODP- Ozone Depletion Potential  
OECD- Organization for Economic Cooperation and Development  
OEL- Occupational Exposure Limit  
OP- Organic Peroxide  
OPPSD- Organic Peroxide Producers Safety Division  
OSHA- Occupational Safety and Health Administration (US)

### "P"

Pa- Pascal a unit of pressure  
PBIT- Persistent, Bioaccumulative and Inherently Toxic  
PBT- Persistent, Bioaccumulative and Toxic  
PHMSA- Pipeline and Hazardous Materials Safety Administration  
ppb- Parts Per Billion  
ppm- Parts Per Million  
ppt- Parts Per Trillion  
PEL- Permissible Exposure Limit (OSHA)  
PNEC- Predicted No Effect Concentrations  
PPE- Personal Protective Equipment  
PRV- Pressure Relief Valve  
PSM- Process Safety Management

## Frequently Used Acronyms in the Organic Peroxide Industry

### "Q"

QA- Quality Assurance  
QC- Quality Control  
QSAR- Quantitative Structure-Activity Relationship

### "R"

RBT-Ready Biodegradability Test  
RC- Responsible Care  
RCRA- Resource, Conservation and Recovery Act (US)  
REACH- Registration, Evaluation and Authorization of Chemicals (Europe)  
REL- Recognized Exposure Limit (US NIOSH)  
RIP- REACH Implementation Project  
RHDT- Rapid Heat Decomposition Temperature  
RMM- Risk Management Measure  
RSS- Robust Study Summary  
RSPA- Research and Special Projects Administration (US DOT)

### "S"

SADT- Self Accelerating Decomposition Temperature  
SAR- Structure Activity Relationship  
SDS- Safety Data Sheet  
SEG- Stakeholder Expert Group  
SIAM- SIDS Initial Assessment Meeting (OECD)  
SIAP- SIDS Initial Assessment Profile (OECD)  
SIAR- SIDS Initial Assessment Report (OECD)  
SIDS- Screening Information Data Sets (OECD)  
SIEF- Substance Information Exchange Forum  
SPI- Society of the Plastics Industry, (The)  
SVHC- Substances of Very High Concern

### "T"

TABD- Trans-Atlantic Business Dialogue  
TAHP- t-amyl hydroperoxide  
TBHP- t-butyl hydroperoxide  
TC- Technical Committee  
TDG- Transportation of Dangerous Goods  
TGD- Technical Guidance Documents  
TRIPs-Trade Related Aspects of Intellectual Property Rights  
TSCA- Toxic Substance Control Act (US EPA)  
TLV- Threshold Limit Value (ACGIH)  
TNO- Netherlands Organization for Applied Scientific Research

## Frequently Used Acronyms in the Organic Peroxide Industry

"U"

UBA- German Federal Environment Bureau

UCC- Uniform Code Council

UDS- Unscheduled DNA synthesis

UEL- Upper Explosive Limit

UFL- Upper Flammable Limit

UN- United Nations

UVC- Unknown or Variable Composition

"W"

WEEL- Workplace Environment Exposure Limit (AIHA)

WHO- World Health Organization

WTO- World Trade Organization

"V"

VOC- Volatile Organic Compound

vPvB- Very Persistent and very Bioaccumulative

---

SPI/OPPSD makes no representation or warranties concerning the above information. This bulletin is being offered in an advisory capacity and is not to be used in lieu of any federal, state, local or quasi-public statute, regulation, ordinance or standard. Further, SPI makes no warranty, expressed or implied, regarding the use of any product.  
Revised November, 2009