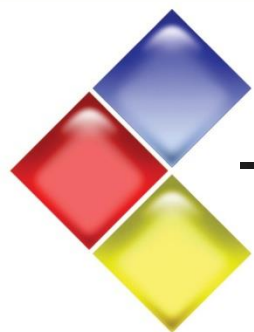




**Information management,
databases and tailor-services**



Mission Statement

- *ChemADVISOR's goal is to be an indispensable source of Environmental, Health, Safety and Transportation (EHS&T) information to our customers and business partners*



Company History

1978

OHS
Founded

1984

OHS Pure Substance
Database Introduced

1986

ChemADVISOR
Founded

1988

LOLI Database
Developed

2001

- 1st International Training Courses Offered
- Transportation Advisor Launched
- LOLI-On-Line Released

2004

- LOLI-SAP Offered
- Brussels Office Opened

2005

SDS on Command
Introduced

2006

SAP Expert Rules
and Templates
Released

2007

- GHS expert rules released
- LOLI Desktop Released

2008

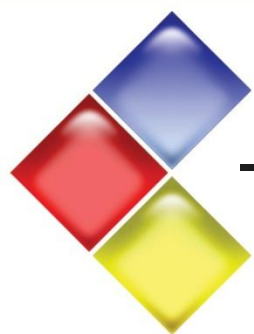
- REACH Products and Services Offered
- OHS Purchased

2011

ChemADVISOR Online
Released

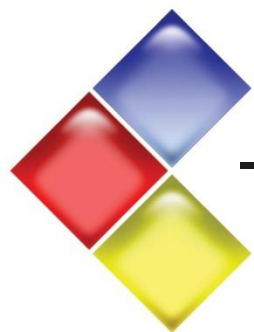
2012

LOLI in the Cloud
Developed



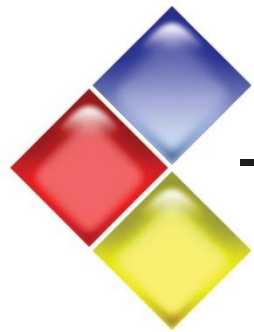
What ChemADVISOR Does

- Disseminate information on chemical hazards and regulations
- Analyze laws and literature
- Advise customers on their products
- Develop and maintain software and databases for customers to perform analysis on their own
- Author (M)SDSs and other hazard communication documents



Company Philosophy

- Knowledge experts in a specialized industry
- History of combining IT and regulatory knowledge
- Privately held and independent
 - Have maintained focus over 25 years—experts in chemical regulations



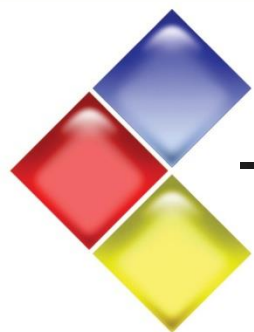
Diverse Customer Base

- Hundreds of customers in a diverse range of industries
 - Specialty Chemicals
 - Petrochemicals
 - Consumer Goods
 - Personal Care
 - Paints and Coatings



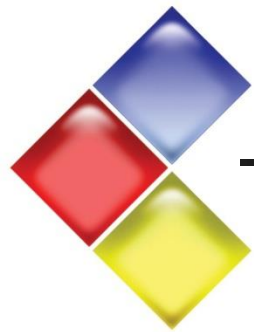
Products and Services

- Products
 - LOLI regulatory database
 - LOLI Desktop
 - LOLI Datafeed
 - LOLI in the Cloud
 - LOLI-SAP Solution
 - Product Safety, Dangerous Goods, Physical-chemical database
 - Expert Rules
 - Transportation Advisor Database
 - Pure Substance Database
 - ChemADVISOR Online
 - Global Chemical Regulatory Report (GCRR)
- Services
 - Hazard evaluations
 - SDS and label statement preparation
 - Technical training



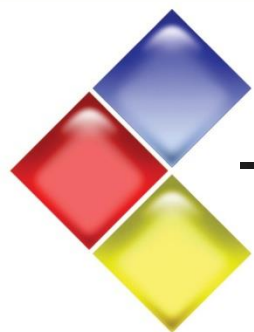
LOLI Regulatory Coverage

- **List Of Lists**
- Collection of regulatory and advisory information on chemical substances
- Over 4700 lists
 - Health and Safety
 - Environmental
 - Transportation
 - Physical-chemical
 - Toxicological/ecotoxicological information
- More coverage than any competitive product
- Entire database available with all offerings



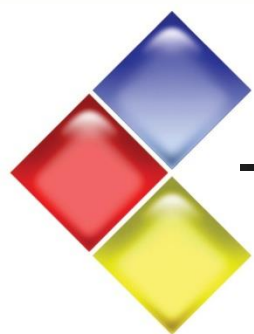
LOLI Geographic Coverage

- North America
 - US state and federal regulations
 - Canada provincial and federal
 - Mexico federal
- Europe
 - EU directives
 - Member country regulations
 - Non-member country regulations
- Asia-Pacific
- Latin America
- Africa
- Advisory Agencies



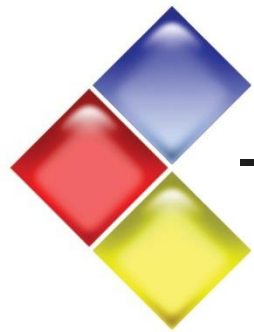
Supplementary Information

- List header documents
- Chemical synonyms
- Generic links



LOLI Formats

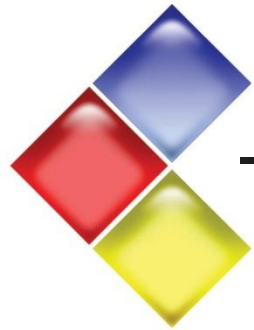
- LOLI Datafeed
 - Simple database files
 - Used to integrate with third party software
- LOLI Desktop
 - Installed on a PC
 - Full-featured program with some interaction possible
- LOLI in the Cloud
 - Hosted in the cloud
 - All maintenance and updates handled by ChemADVISOR
- LOLI web service (XML schema and feed)



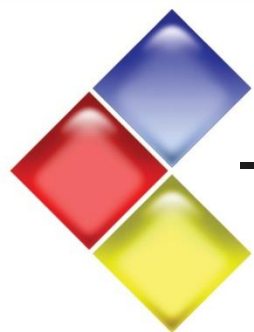
LOLI-SAP Solution

- LOLI-SAP Loading Tool provides interface with a customer's SAP system
- Means for adding, updating and deleting properties within SAP EH&S property tree
 - Dangerous Goods
 - Product Safety
 - Phys-chem, ecotox and toxicity data
 - Allows you to select custom property and characteristic settings for the placement of data

Transportation Advisor Database

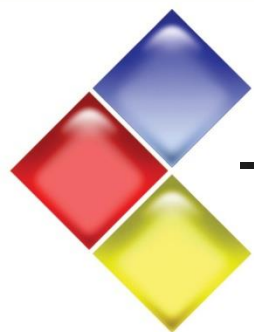


-
- Collection of Transportation Regulatory Information
 - Organized by UN Number
 - Updated every week online



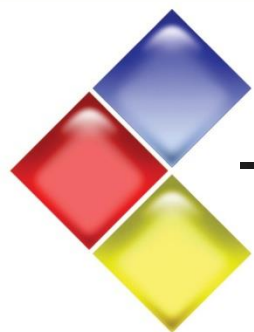
Transportation Advisor

- ADG
(Australia)
- ADN
- ADR
- GB12268: 危险货物物品名表
(List of Dangerous Goods - China)
- DOT
(USA)
- IATA
- ICAO
- IMDG
- 船舶安全法
(Ship Safety Act - Japan)
- List of Substances and hazardous materials most commonly transported
(Mexico)
- RID
- TDG
(Canada)
- Recommendations on the Transport of Dangerous Goods Model Regulations
(UN)



OHS Pure Substance Database

- Library of 22,000 pre-written SDSs for Pure Substances
- All documents available in English, French, German, Italian, Spanish, Chinese and Japanese
- Includes country specific GHS information
- Extensive toxicological and ecotoxicological data



ChemADVISOR Online

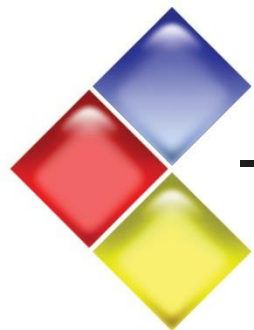
- Allows access to multiple ChemADVISOR products:
 - LOLI Database
 - Transportation Advisor
 - Pure Substance Database
- Multiple payment options
 - Pay per use
 - Pre-purchased blocks
 - Unlimited access

Global Chemical Regulatory Reports (GCRR)

Country specific summaries of chemical control regulations:

- Americas
 - Brazil
 - Canada
 - Colombia
 - Mexico
 - United States
- Africa
 - South Africa

Global Chemical Regulatory Reports (GCRR)



European Union:

- Austria
- Belgium
- Bulgaria
- France
- Germany
- Greece
- Hungary
- Italy
- Ireland
- Netherlands
- Poland
- Romania
- Russian
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom

Global Chemical Regulatory Reports (GCRR)

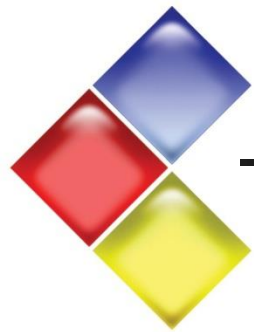
Asia-Pacific

- Australia
- China
- Hong Kong
- India
- Indonesia
- Israel
- Japan
- Korea
- Macau
- Malaysia
- New Zealand
- Singapore
- Taiwan
- Thailand
- United Arab Emirates
- Vietnam



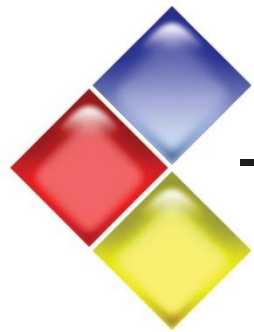
Services – Deliverables

- SDS documents
 - Regulatory Update Service (RUS)
- Labels
 - Industrial labels
 - Consumer labels
 - Artwork through a partner (Tailored Marketing)
- Customer-specific evaluations
- Ratings systems
- Regulatory reviews
- Toxicology reviews



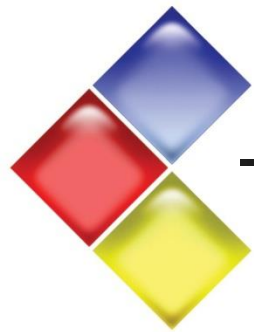
Services - Deliverables

- Product Notification
- Product Registration
- Compliance Audit
 - Global
 - Regional
 - National



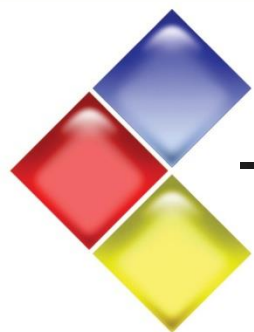
REACH Consulting Services

- Only Representation (OR)
- Third Party Representation
- General Consulting
- Organizational Services



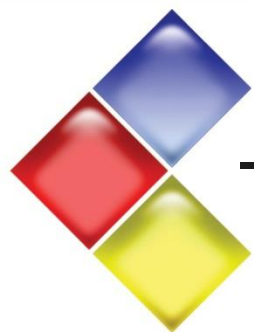
Services

- Delivered and priced as:
 - Single documents
 - Authoring projects
 - Ongoing hourly support
 - Ongoing full time equivalent (FTE) support



GHS Consulting Services

- GHS Classification
 - Purple Book
 - Country Specific Adaptations
- GHS SDS Authoring
- GHS Training



SAP Regulatory Services

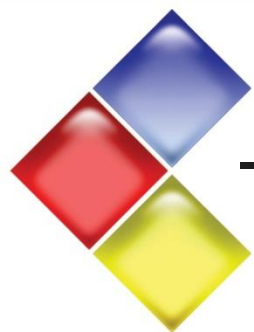
- SDS Authoring
- Data Entry & Validation
- Expert Rule Creation and Validation



Training

- Open to ChemADVISOR employees and outside students
- Topics include:
 - SDS Authoring
 - GHS
 - Country specific chemical regulations
 - EU (REACH and CLP)
 - China
 - Japan
 - Germany
 - US
 - Transportation Regulations
 - Industrial and Consumer Labeling
 - Ecotoxicity Assessments
 - TSCA compliance

North American 2013 User Group



- Two day long event to discuss international chemical control and hazard communication issues
- Includes focus tracks on items specific to ChemADVISOR's products and services
- October 8-9, 2013
- Sheraton Station Square in Pittsburgh



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