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Presentation Outline



- Chemical Safety Assessment and Report
 - What and why
 - Process
 - Exposure Scenario's
- Lubricant Industry approach
 - ATC REACH Consortia
 - ATIEL / ATC GES Working Group
 - Next steps
- Back Up Slides
- Glossary of terms
- Information sources

CSA / CSR The What and Why



- One of the basic principles of REACH is to ensure that substances manufactured or imported to Europe are used in a way which does not adversely impact human health or the environment.
- REACH requires that Manufacturers and Importers (MI's) assess the intrinsic hazards of the substance
 - Chemical Safety Assessment (CSA)
- For those substances that are classified as dangerous or PBT,
 vPvB the CSA also contains
 - Emission and exposure assessment throughout its life cycle.
 - Exposure Scenario
 - Risk characterisation
 - Identification of the operational conditions and risk management measures required to manage the risk
- A Chemical Safety Report (CSR) documents the CSA including its conclusions and results.

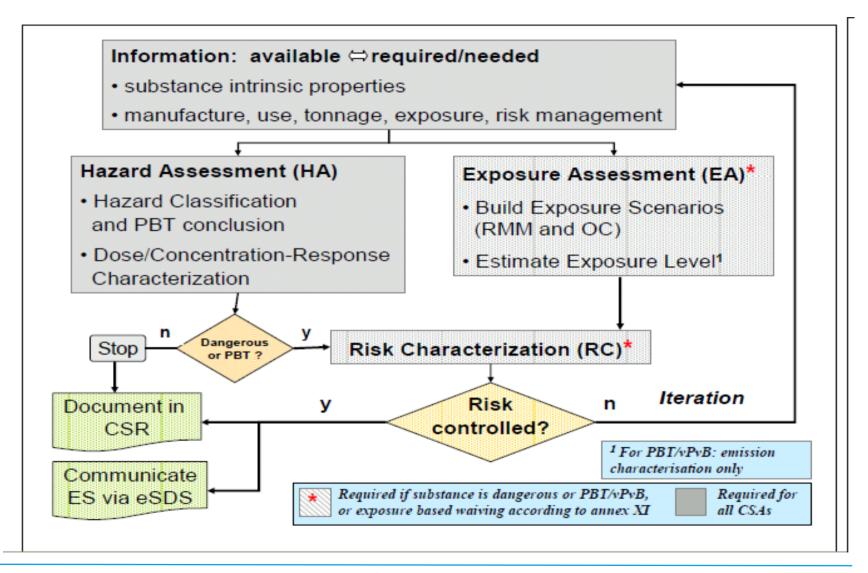
CSA / CSR – The What and Why



- The CSR is compiled by the MI for his own records and is also attached to the registration dossier.
- For substances classified as dangerous the MI is required to
 - Implement the OC and RMM's at his own facility
 - Communicate these down the supply chain
 - Exposure Scenarios
 - Extended Safety Data Sheet
- The Exposure Scenario is the key tool for communicating OC's and RMM's required to ensure risks are controlled.
 - Operation conditions can include application process, duration and frequency of use.
 - Risk management measures can include waste water treatment or local exhaust ventilation

CSA / CSR Process







Lubricant Industry Approach

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Performance you can rely on.

ATC REACH Consortia



- Technical Committee of European Petroleum Additive Manufacturers (ATC) is main trade association for petroleum additive manufacturers
 - Components suppliers
 - Formulators
- ATC REACH Working Group formed July 2004 to collaborate on regulatory projects that benefitted the Petroleum Additive Supply Chain
- Major Petroleum Additive Manufacturers have a history of working together on regulatory initiatives
 - US EPA High Production Volume Challenge
- REACH WG members
 - Afton
 - Chemtura
 - Chevron Oronite
 - Ciba
 - Infineum
 - Innospec
 - Lubrizol
 - Rhein Chemie

ATC REACH Consortia



- Some early challenges in set up the consortia overcome with external independent help.
 - Confidentiality
 - Cost sharing
 - Anti trust
- Consortia currently working in 10 Task Forces to progress registration of over 50 priority substances for the lubricant additive industry.
 - Data gap analysis
 - Testing
 - Dossier preparation
 - CSA/CSR
 - SIEF communications
- Preparatory work for 2013 substances underway

ATIEL / ATC Joint Activity



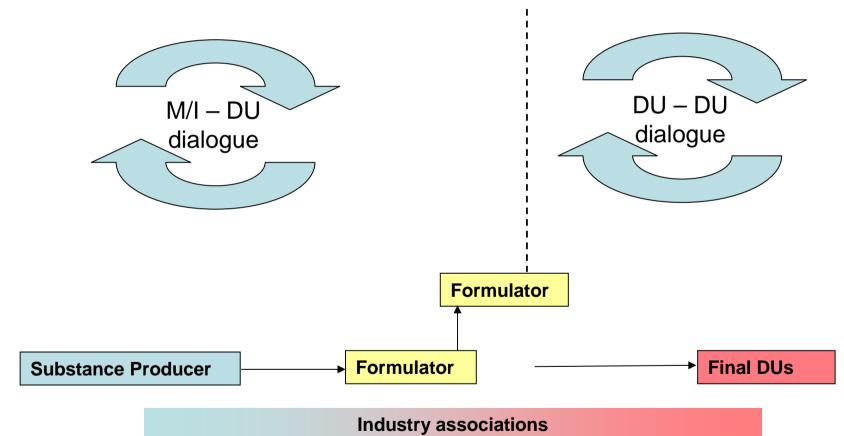
- ATIEL / ATC GES Working Group have been working to develop a standard industry approach to the development of Generic Exposure Scenario's.
- Initial output from the ATIEL / ATC REACH WG is posted on both trade associations web site
 - For lubes
 - Welcome to ATIEL
 - http://www.atiel.org/Reach_GES.htm
 - For fuels
 - Welcome to ATC
 - http://www.atc-europe.org/reach-generic-exposure-scenario-ges.asp
- The target audience for the information on these websites includes
 - Substance manufacturers and importers who need to prepare CSA/CSR's
 - Downstream Users who may want to verify the types of lubricant applications which are likely to be covered by lubricants and lubricant additive suppliers
- An example of the supplier-customer dialogue envisaged by ECHA guidance

Dialogue in the Supply Chain



- Identify uses
- •Build exposure scenarios
- Conduct safety assessment

- •Make uses known to M/I
- •Inform on conditions of use
- •Give feedback to exposure scenarios



ATIEL / ATC Approach - Next Steps



- The working group are continuing activity to deliver
 - SPERCs (Special Environmental Release Categories) covering lubricant use
 - Intended to supersede ERCs in RIP guidance R.12 which are very conservative in their assumptions related to environmental release
 - Generic Exposure Scenario's for each Use Group
 - For mixtures
 - Habits and Practices information
 - Representative of consumer use of lubricants that can be used, in conjunction with the ECETOC TRA, to derive more accurate estimates of consumer exposure to lubricants.

There is still a long road ahead......







Thank you for your attention

Any ???



Back Up Slides

ATIEL / ATC DUCC Table



Revised				Compliant with ECHA guidance on use descriptors dated 22 March 2010						
02_Aug_10 Code	IN DUCC FORMAT		Use Descriptors							
	Short ES title	Short description of process or activity	Sector of use (SU)	Process Category (PROC)	Product category (PC)	Product Sub- category	Environ- mental Release Category (ERC)	SPERC	Article Category (AC)	
ATIEL-ATC Group A	Industrial formulation of lubricant additives, lubricants and greases. Includes material transfers, mixing, large and small scale packing, sampling, maintenance and associated laboratory activities.	Closed continuous processes at elevated temperature with sampling, including grease manufacture.	SU 3, 10* *maybe not applicable for use as intermediate	PROC 2	PC 17, 19*, 24, 25 * Components used to manufacture grease thickeners are intermediates, e.g. Lithium hydroxide, Fatty acids.	n/a	ERC 2 ERC 6A*	under development	n/a	
		Batch closed process with sampling. Blending and Filling processes (closed / dedicated). Includes both bulk and small quantity additions. May be at elevated temperature, e.g. grease manufacture.		PROC 3						
		Batch open process. Blending and Filling processes (open / non dedicated). Includes addition of both bulk and small quantity additions. May be at elevated temperature, e.g. Grease manufacture.		PROC 4, 5						
		Sample collection of formulation		PROC 4, 5						
		Sample collection of incoming raw materials		PROC 8b						
		Bulk transfers by fixed pipe or flexible hose		PROC8b						
		Small pack (drum/bag) transfers - dedicated facility.		PROC 8b						
		Small pack (drum/bag) transfers - non dedicated facility.		PROC 8a						
		Maintenance & cleaning		PROC 8b						
		Top filling of bulk containers (road cars etc)		PROC8b						
		Filling of drums and small packages								
				PROC 9						
		QC & Laboratory		PROC 15						
		Material storage		PROC 1, 2						

ATIEL Lubricants Application Table



LU	ATIEL-ATC LUBRICANT USE GROUP			
Family	Specific application			
		T		
Engine oils	Passenger car (gasoline & diesel)	В		
Engine oils	Diesel (transportation, public works, agriculture)	В		
Engine oils	Marine - MDCL	В		
Engine oils	Marine - TPEO	В		
Transmission fluids	Industrial gear oil (open)	С		
Transport Greases	Chassis lubrication (e.g. includes aviation, heavy goods vehicles)	С		
Metalworking	Quenching fluids (water based) - diluted	D		
Total loss lubrication	Glass release agents	D		
Metalworking	Soluble oil machining/grinding fluids - concentrate	E		
Metalworking	Tapping and threading	F		
Metalworking	Hobbing	F		

Glossary of Terms



- ATC Additives Technical Committee (Petroleum Additive Manufacturers in Europe)
- ATIEL Association Technique de l'Industrie Européenne des Lubrifiants
- CSA Chemical Safety Assessment
- CSR Chemical Safety Report
- MI Manufacturer and/or Importer
- PBT environmentally persistent, bio accumulative and toxic substances
- vPvB environmentally very persistent, very bio accumulative
- OC Operating Conditions
- RMM Risk Management Measure
- SIEF Substance Information Exchange Fora
- GES Generic Exposure Scenario
- ECHA European Chemical Agency
- WG Working Group
- SPERC Special Environmental Release Category
- ERC Environmental Release Category
- ECETOC European Centre for Ecotoxicology and Toxicology of Chemicals
- TRA Targeted Risk Assessment

Glossary of Terms (continued)



- Article anything where the shape of surface properties is of greater importance to the function than the chemical composition (example: an inkjet cartridge)
- Downstream User someone other than a manufacturer or importer who uses a substance either on its own or in a preparation in the course of his industrial or professional activities. (Article 3-13);
- Exporter the last actor in the non-EU supply chain
- Formulator someone who prepares preparations (rip 3-5-2);
- Importer any natural or legal person established within the community who is responsible for import. (Article 3-11)
- Manufacturer someone who manufactures a substance. (Article 3-9)
- Preparation - a mixture or solution composed of two or more substances (example: ink a mixture of pigments and solvents)
- Substance single chemicals i.e. with a CAS number. A new chemical substance or chemical extract from its natural state (example: Pigments and Solvents) chemical entity, or the product of a manufacturing process.
- Third Party Registration a company can choose to register anonymously through a third party while retaining all responsibilities' for the registration. (Article 4)

Information Sources



- European Chemicals Agency Homepage:
 - http://ec.europa.eu/echa/home en.html
- Full and Final REACH Text
 - http://eurlex.europa.eu/LexUriServ/site/en/oj/2007/I_136/I_13620070529en00030280.pdf
- European Chemicals Bureau
 - http://ecb.jrc.it/
- IUCLID 5
 - http://iuclid.eu
- REACH Navigator Homepage Guidance on obligations
 - http://reach.jrc.it/
- REACH Centrum A REACH initiative started by CEFIC
 - http://www.reachcentrum.org/
- REACHReady, UK focussed REACH initiative from the UK CIA
 - http://www.reachready.com/
- "Automotive Industry Guideline on REACH" Version 2
 - http://www.acea.be/images/uploads/files/20080207_AIG-REACH_V2.pdf



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