

Occupational Health & Safety Management at BASF:

Responsible Care



150 years

 **BASF**
We create chemistry

Oleg Bochkov, Head of EHS, BASF Business Center Russia & CIS

150 years



BASF – We create chemistry



Key Facts

Our chemistry is used in almost all industries

We combine economic success, social responsibility and environmental protection

Sales 2014: €74,326 million

EBIT 2014: €7,626 million

Employees (as of December 31, 2014): 113,292

6 Verbund sites and 353 other production sites

We are celebrating our 150 years anniversary in 2015

150 years



BASF's segments as of January 1, 2015



Chemicals

Petrochemicals

Monomers

Intermediates



Performance Products

Dispersions & Pigments

Care Chemicals

Nutrition & Health

Performance Chemicals



Functional Materials & Solutions

Catalysts

Construction Chemicals

Coatings

Performance Materials



Agricultural Solutions

Crop Protection



Oil & Gas

Oil & Gas

BASF Values and Principles

Basis for Environment, Health & Safety

- Sustainable Profitable Performance
- Innovation for the Success of Our Customers
- Safety, Health and Environmental Responsibility

We act in a responsible manner and support the Responsible Care® initiatives. Economic considerations do not take priority over safety and health issues and environmental protection.

- Personal and Professional Competence
- Mutual Respect and Open Dialogue
- Integrity

Shaping
the future together

Who we are. What we do. How we act.
Where we are heading.

Recognition by Financial Markets

150 years



BASF is listed in the leading sustainability indexes and funds



FTSE4Good



- ➔ Dow Jones Sustainability Indexes (DJSI)
 - With the world's leading sustainability-driven companies that implement sustainability operationally.
- ➔ FTSE4Good Indexes
 - Include companies with good records in corporate social responsibility.
- ➔ STOREBRAND SRI Funds
 - Contain companies with good environmental and social performance.
- ➔ (...)

What is «Responsible Care»?



Responsible Care is a voluntary improvement initiative of the members of the American Chemistry Council to implement management systems designed to be protective of the environment, public health and safety, and to engage in responsible product stewardship.

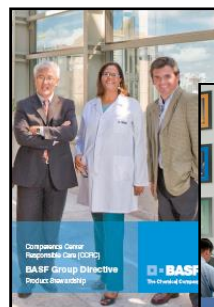
Codes of EHS Management Practices at BASF



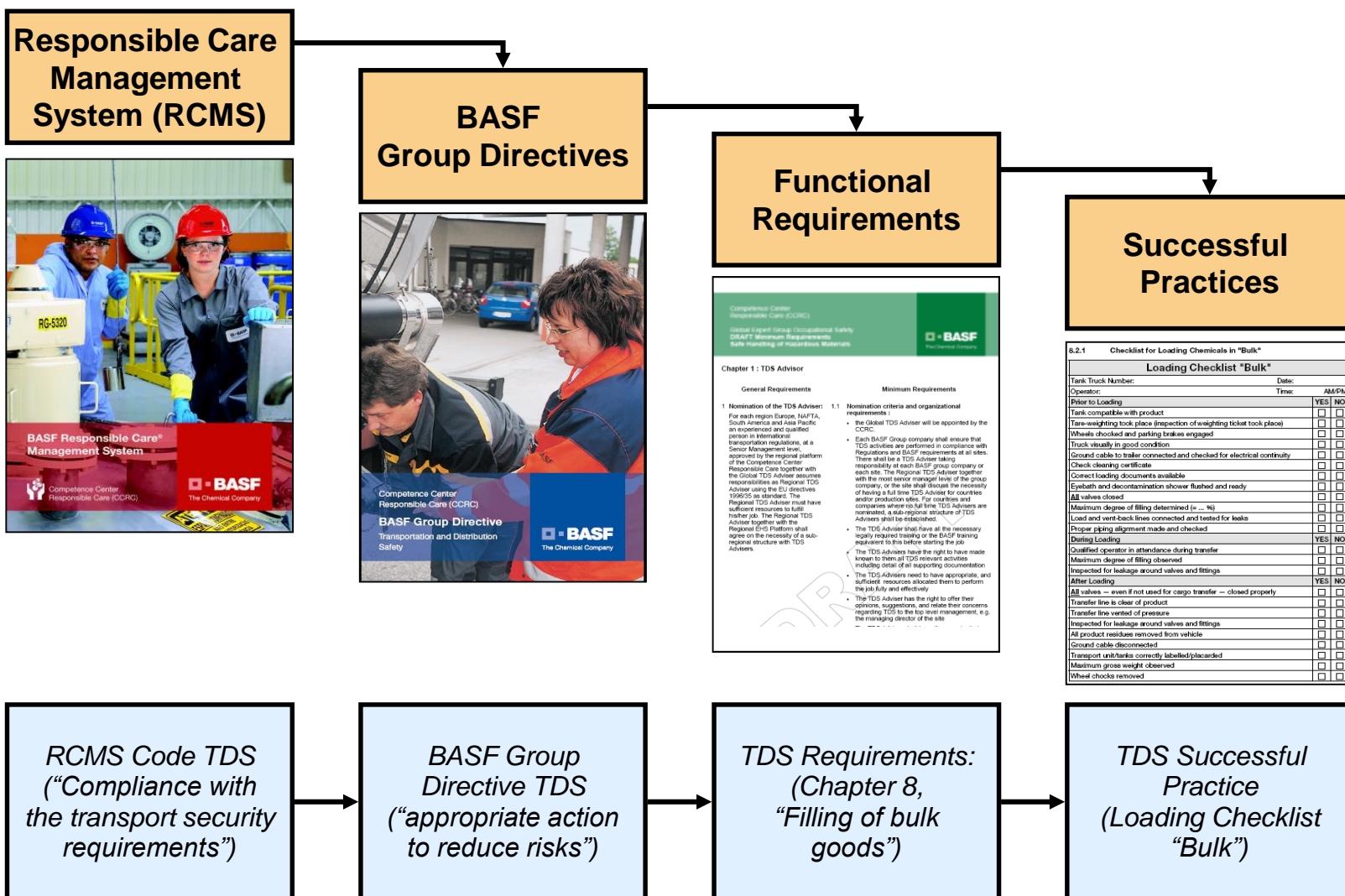
- Product Stewardship
- Transport and Distribution Safety
- Occupational Safety
- Occupational Health
- Process Safety
- Environmental Protection
- Emergency Response
- Communication
- Security
- Energy

Examples for Group Directives

- Responsible Care Audits
- EHS at Planning and Construction of Process Plants
- Transportation and Distribution Safety
- Product Safety
- Security
- Incident Reporting
- Toll Manufacturing
- Occupational Medicine & Health Protection Program
 - Corporate standards and global policies often exceed local standards
 - **Local standards are a must !**



Hierarchy of Responsible Care Standards



Continuous Improvement in EHS

150 years



Responsible Care (RC): Plan-Do-Check-Act



Updating of Responsible Care-**Standards**

- Responsible Care Management System, Group Directives, Requirements



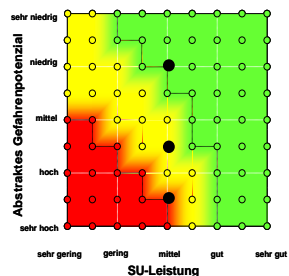
Global **Goals**

- Yearly external reporting, mid-year internally



Implementation of measures for improvement and **operational control**

- Consultation, RC Audits & Data analysis



Occupational Medicine and Health Protection

The Goal of the **Occupational Medicine and Health Protection Program in the BASF Group** is to protect each employee's life and health at work and to assist in assuring that BASF products do not pose health risks to employees, neighbors, customers and consumers.

Our Responsibility for Health

- All BASF Group Companies maintain the same high standards of occupational medicine and health protection.
- Work-related diseases no longer occur within BASF



150 years

BASF
We create chemistry

Global Health Promotion Campaigns

healthyskin@work 2011 
Глобальная программа BASF по защите здоровья

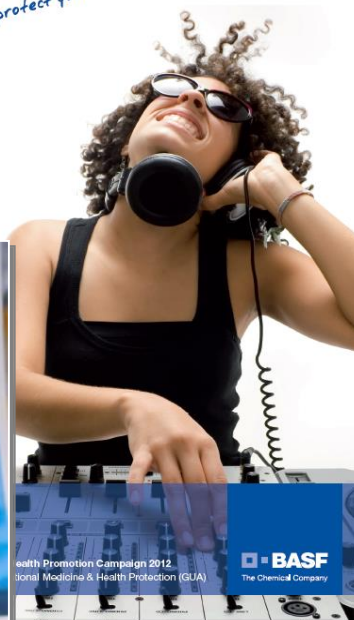


Кожа – зеркало организма! Она защищает нас от вредных факторов внешней среды, и нуждается в защите и заботе. Здоровье организма зависит от здоровья кожи.

BASF
The Chemical Company
Health Promotion Campaign 2011
Отдел / компания

BASF SOUNDCHECK 2012
5TH GLOBAL HEALTH PROMOTION CAMPAIGN

*Keep your sense,
protect your hearing!*



Responsible Care Audits at BASF

RC-Audit Checklist Safety and Environmental Protection Site and Plant Audit

Table of Contents:

RC-Code 0: Organization

RC-Code 1: Product Stewardship

RC-Code 2: Transport Safety

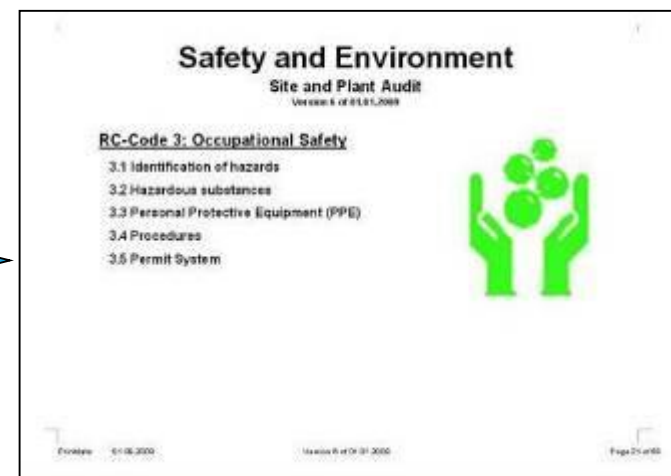
RC-Code 3: Occupational Safety

RC-Code 4: Process Safety

RC-Code 5: Environmental Protection

RC-Code 6: Emergency Response

RC-Code 7: Communication



Group Audits Safety & Environment Targets

- **Checking the effectiveness of the RC-Management system**
- **Systematic assessment of the SE-performance**
- **Continuous improvement of the SE-performance**
- **Minimizing incidents and accidents**
- **Experience exchange regarding „successful practices“**

Group Audits Safety & Environment

Evaluation of the Results

SE-Performance



Potential Hazard



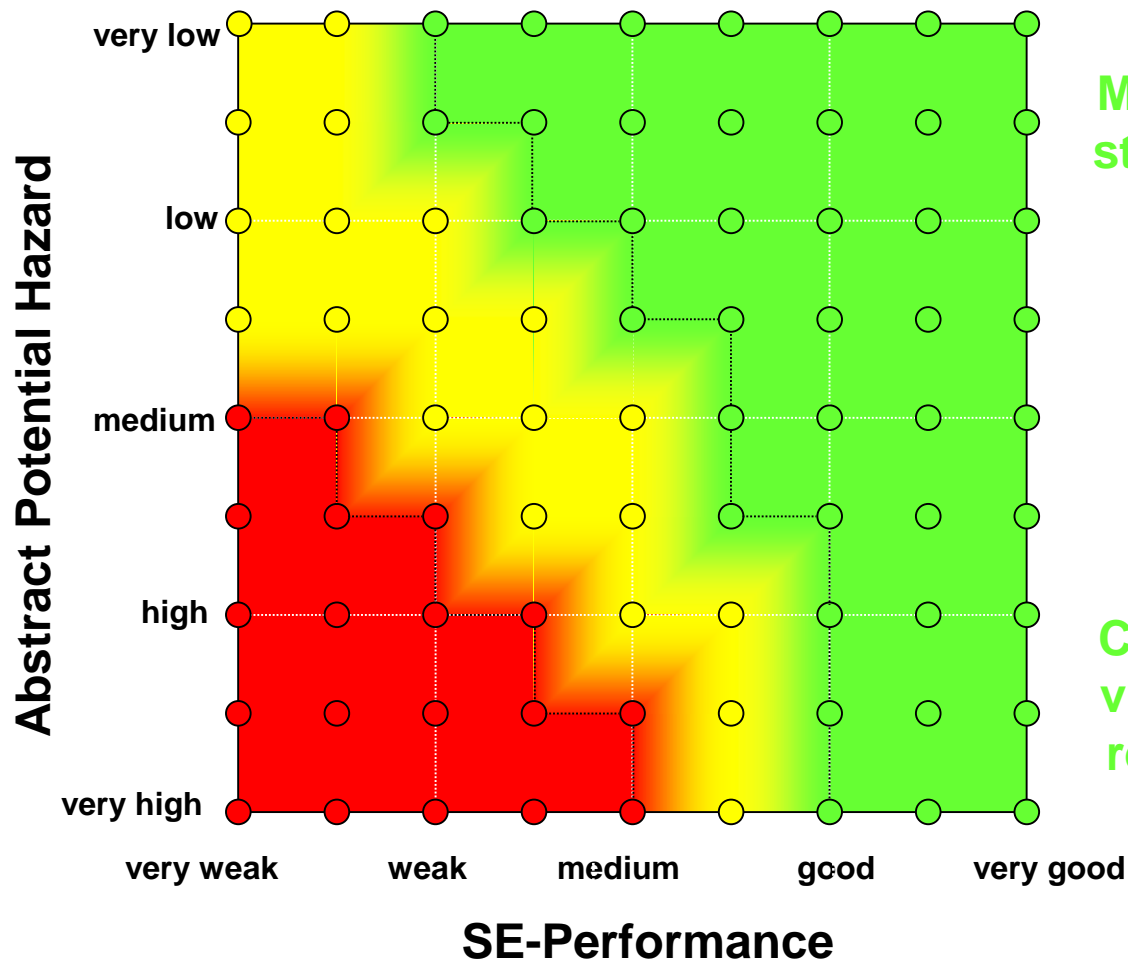
Risk

The SE-performance has to have
the potential hazard under control

Group Audits Safety & Environment Risk Evaluation

Improvement
recommended

Urgent
improvement
required



Maintain
standard

Constant
vigilance
required

Risk assessment and Safety procedure



150 years

BASF
We create chemistry

1. Danger Analysis

1.1 Identifying danger factors

Gefährdungs- und Belastungsfaktoren - Übersicht

1. Gefährdungs- und Belastungsfaktoren	2. Gefährdungs- und Belastungsfaktoren	3. Gefährdungs- und Belastungsfaktoren	4. Gefährdungs- und Belastungsfaktoren	5. Gefährdungs- und Belastungsfaktoren	6. Gefährdungs- und Belastungsfaktoren	7. Gefährdungs- und Belastungsfaktoren	8. Gefährdungs- und Belastungsfaktoren	9. Gefährdungs- und Belastungsfaktoren	10. Gefährdungs- und Belastungsfaktoren	11. Gefährdungs- und Belastungsfaktoren	12. Gefährdungs- und Belastungsfaktoren	13. Gefährdungs- und Belastungsfaktoren	14. Gefährdungs- und Belastungsfaktoren	15. Gefährdungs- und Belastungsfaktoren	16. Gefährdungs- und Belastungsfaktoren	17. Gefährdungs- und Belastungsfaktoren	18. Gefährdungs- und Belastungsfaktoren	19. Gefährdungs- und Belastungsfaktoren	20. Gefährdungs- und Belastungsfaktoren
1.1.1	1.1.2	1.1.3	1.1.4	1.1.5	1.1.6	1.1.7	1.1.8	1.1.9	1.1.10	1.1.11	1.1.12	1.1.13	1.1.14	1.1.15	1.1.16	1.1.17	1.1.18	1.1.19	1.1.20

2. Risk assessment

2.1 Discussion, if existing measures are enough

Maßnahmen zur Vermeidung von Unfällen

1. Gefährdungs- und Belastungsfaktoren	2. Gefährdungs- und Belastungsfaktoren	3. Gefährdungs- und Belastungsfaktoren	4. Gefährdungs- und Belastungsfaktoren	5. Gefährdungs- und Belastungsfaktoren	6. Gefährdungs- und Belastungsfaktoren	7. Gefährdungs- und Belastungsfaktoren	8. Gefährdungs- und Belastungsfaktoren	9. Gefährdungs- und Belastungsfaktoren	10. Gefährdungs- und Belastungsfaktoren	11. Gefährdungs- und Belastungsfaktoren	12. Gefährdungs- und Belastungsfaktoren	13. Gefährdungs- und Belastungsfaktoren	14. Gefährdungs- und Belastungsfaktoren	15. Gefährdungs- und Belastungsfaktoren	16. Gefährdungs- und Belastungsfaktoren	17. Gefährdungs- und Belastungsfaktoren	18. Gefährdungs- und Belastungsfaktoren	19. Gefährdungs- und Belastungsfaktoren	20. Gefährdungs- und Belastungsfaktoren
2.1.1	2.1.2	2.1.3	2.1.4	2.1.5	2.1.6	2.1.7	2.1.8	2.1.9	2.1.10	2.1.11	2.1.12	2.1.13	2.1.14	2.1.15	2.1.16	2.1.17	2.1.18	2.1.19	2.1.20

3. Defying of Measures

3.1 Suggestions of further measures of necessity

Maßnahmen zur Vermeidung von Unfällen

1. Gefährdungs- und Belastungsfaktoren	2. Gefährdungs- und Belastungsfaktoren	3. Gefährdungs- und Belastungsfaktoren	4. Gefährdungs- und Belastungsfaktoren	5. Gefährdungs- und Belastungsfaktoren	6. Gefährdungs- und Belastungsfaktoren	7. Gefährdungs- und Belastungsfaktoren	8. Gefährdungs- und Belastungsfaktoren	9. Gefährdungs- und Belastungsfaktoren	10. Gefährdungs- und Belastungsfaktoren	11. Gefährdungs- und Belastungsfaktoren	12. Gefährdungs- und Belastungsfaktoren	13. Gefährdungs- und Belastungsfaktoren	14. Gefährdungs- und Belastungsfaktoren	15. Gefährdungs- und Belastungsfaktoren	16. Gefährdungs- und Belastungsfaktoren	17. Gefährdungs- und Belastungsfaktoren	18. Gefährdungs- und Belastungsfaktoren	19. Gefährdungs- und Belastungsfaktoren	20. Gefährdungs- und Belastungsfaktoren
3.1.1	3.1.2	3.1.3	3.1.4	3.1.5	3.1.6	3.1.7	3.1.8	3.1.9	3.1.10	3.1.11	3.1.12	3.1.13	3.1.14	3.1.15	3.1.16	3.1.17	3.1.18	3.1.19	3.1.20

3.2 SOP development



3.3 Endorsment of measures by Business Unit



4. Implementation of measures

4.1 Clarifying of implementation process

4.2 Ordering and spreading measures

4.3 Distribution of SOP's to regional Team leaders

4.4 Distribution of SOP's to regional field technicians

4.5 Placing of SOP's at place of work

5. Control measure

5.1 Efficiency checking during Safety Inspections conducted by EHS Department

Line managers take responsibility for Occupational Safety!

Occupational Safety

Performance Expectations:

- * All workplace and task related hazards are systematically assessed and documented.
- * Required safety measures are defined and implemented.
- * Unsafe acts and conditions are prevented.
- * The employees are involved in the hazard identification process.
- * Adverse health effects from handling hazardous chemicals are prevented by early intervention and education.
- * **“TOP” approach in hazards elimination (Technical-Organizational-Protective Measures)**

Hazard Elimination

Replacement of the hazardous items

Technical measures

Safe Job Procedures

Training

Administrative measures

PPE



EHS Programs and initiatives for office teams

SAFETY CHAMPIONS



150 years

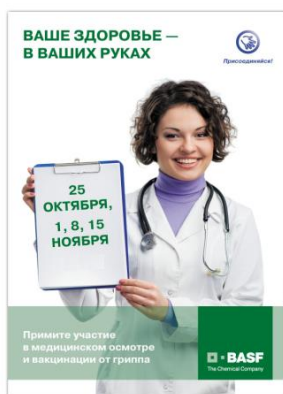
BASF
We create chemistry

Our mutual targets is to create safe working place free of EHS accidents and incidents



Safety Days

Safety –
everybody's
responsibility



Health
Protection

Medical checks
Vaccination
First Aid training
at the production
and offices



Information
Protection

BC IP Policy
developed
IP trainings
across BC
Poster
campaign,
Privacy shields,
equipment
update and
more...



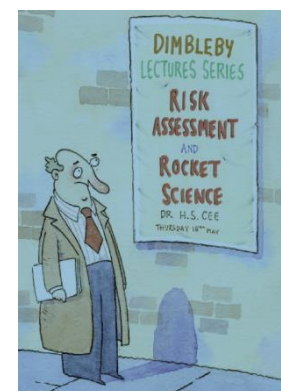
Safety Hunt

Improvements of
the safety
conditions at the
working places,
training of the
employees to
see and
understand the
hazard



Safe Driving

Extended
training for the
co-workers
using corporate
cars



Risk
Assessment

Car Safety
Travel Safety
Safety in the
production and
office
environment
Visits of the
customer's sites

Actual highlight:

■ With the focus on Car Safety



Safe use of corporate fleet cars
of BASF Business
Center Russia & CIS

Safety News

Сумерки x Гололед = Опасности на дороге

Данный год продолжился для всех нас сумрачными часами по утрам и в вечернее время. Для водителей плохая видимость в эти часы умножается на скользкое покрытие на дорогах, уже прочно закрепившегося на дорожном полотне. Какие меры предосторожности нужно предпринять, чтобы снизить риски во время движения?

Главными условиями безопасности движения в такой обстановке является снижение скорости и соблюдение водителями безопасной дистанции. На дороге со скользким покрытием не следует производить резких маневров и торможений, выжимать сцепление и менять передачи. Еще раз нужно проверить тормозную систему и состояние протектора шин. Пристегнитесь, и убедитесь, что пристегнуты Ваши пассажиры.

Усталость, эмоциональный стресс, снежка зачастую являются причинами дорожно-транспортных происшествий. Если вы себя не очень хорошо чувствуете, не садитесь за руль! Постарайтесь до начала поездки сосредоточиться на предстоящем маршруте движения. Помните, что безопасная езда начинается с настроек на нее.



Employees Engagement

Global Safety Initiative "Safety Champions"



Lead on!



Look out!



Speak out!



Join in!



extern

43

Success is impossible without the involvement of all our employees into the EHS activities and recognizing of the "Responsible Care" as a part of corporate culture

BASF Global Safety Days

150 years



Safety matters to all of us!

Thank you!

150 years



Oleg Bochkov

Head of EHS

Business Center Russia & CIS

Phone: +7 495 2256-476

E-Mail: oleg.bochkov@basf.com

Postal Address:

OOO BASF, Registered office: 14 bld.3,
Kadashevskaya nab., 119017, Moscow,
Russian Federation

150 years



We create chemistry