

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **7010 Underbody Bitumen**

Creation date: **6.10.2009** · Revision: **16.1.2019** · Version: **1**

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name

7010 Underbody Bitumen



chemius.net/qiE76

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Bitumen protective agent.

Uses advised against

No information.

1.3. Details of the supplier of the safety data sheet

Manufacturer

SILCO, D.O.O.

Address: Šentrupert 5 a, 3303 Gomilsko, Slovenia

Phone: +386 3 703 3180

Fax: +386 3 703 3188

E-mail: n.cvilak@silco-automotive.com

Point of contact for safety info: Nejc Cvilak

1.4. Emergency telephone number

Emergency

112

Supplier

+386 3 703 3180

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 3; H226 Flammable liquid and vapour.

STOT SE 3; H335 May cause respiratory irritation.

STOT SE 3; H336 May cause drowsiness or dizziness.

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 7010 Underbody Bitumen

Creation date: 6.10.2009 · Revision: 16.1.2019 · Version: 1

2.2 Label elements

2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: **Warning**

H226 Flammable liquid and vapour.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with national regulation.

2.2.2. Contains:

hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (CAS: 64742-82-1, EC: 919-446-0)

2.2.3. Special provisions

Special hazards are not known or expected.

2.3. Other hazards

No information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

For mixtures see 3.2.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 7010 Underbody Bitumen

Creation date: 6.10.2009 · Revision: 16.1.2019 · Version: 1

3.2. Mixtures

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
Hydrocarbons, C9, aromatics	- 918-668-5 -	20-25	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411		01-2119455851-35
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	64742-82-1 919-446-0 -	15-20	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411 EUH066		01-2119458049-33
solvent naphtha (petroleum), light arom. [P]	64742-95-6 265-199-0 649-356-00-4	2,5-3	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411		-
ethanol	64-17-5 200-578-6 603-002-00-5	1-2,5	Flam. Liq. 2; H225 Eye Irrit. 2; H319		-

Notes for substances:

P	The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.
----------	--

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General notes

Symptoms of poisoning may even occur after several hours; therefore medical observation is required at least 48 hours after the event. Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention.

Following skin contact

Immediately remove contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If symptoms develop and persist, seek medical attention.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

Following ingestion

Do not induce vomiting! Immediately consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

Vapours may cause drowsiness and dizziness.
Can cause irritation of respiratory system.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **7010 Underbody Bitumen**

Creation date: **6.10.2009** · Revision: **16.1.2019** · Version: **1**

Skin contact

Causes irritation of mucous membrane.

Moderate skin irritation: signs/symptoms can include redness, swelling, itching and dryness.

Eye contact

May cause irritation as itching and redness.

Ingestion

Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

Aspiration into the lungs causes coughing, shortness of breath and may lead to chemical pneumonia.

4.3. Indication of any immediate medical attention and special treatment needed

-

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of heating harmful vapours/gases can be generated. In the event of fire the following can be generated: carbon monoxide (CO), carbon dioxide (CO₂).

5.3. Advice for firefighters

Protective actions

Vapours can form explosive mixtures with air. In case of fire or heating do not breathe fumes/vapours. Cool containers at risk with water spray. If possible remove containers from endangered area.

Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8).

Emergency procedures

Ensure adequate ventilation. Keep away sources of ignition. Prevent access to unprotected personnel.

6.1.2. For emergency responders

-

6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 7010 Underbody Bitumen

Creation date: 6.10.2009 · Revision: 16.1.2019 · Version: 1

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

-

6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Do not use water or water based cleansing agents.

6.3.3. Other information

-

6.4. Reference to other sections

See also Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire

Ensure adequate ventilation. Take precautionary measures against static discharges. Keep away from sources of ignition - no smoking. Protect from open fire and other sources of ignition or heat. Use spark-proof tools. Vapours and air form explosive mixtures.

Measures to prevent aerosol and dust generation

-

Measures to protect the environment

-

7.1.2. Advice on general occupational hygiene

Avoid contact with skin and eyes. Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions

Keep in cool and well ventilated area. Keep away from food, drink and animal feeding stuffs. Protect from open fire, heat and direct sunlight. Keep in tightly closed container.

7.2.2. Packaging materials

-

7.2.3. Requirements for storage rooms and vessels

-

7.2.4. Storage class

-

7.2.5. Further information on storage conditions

-

7.3. Specific end use(s)

Recommendations

-

Industrial sector specific solutions

-

Product name: **7010 Underbody Bitumen**

Creation date: **6.10.2009** · Revision: **16.1.2019** · Version: **1**

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)	mg/m ³		
Ethanol (64-17-5)	1000	1920	-	-		

8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

8.1.3. DNEL/DMEL values

For components

Name	Type	Exposure route	Exposure frequency	Value	Remark
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	Worker	inhalation	short term (systemic effects)	570 mg/m ³	
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	Worker	dermal	long term (systemic effects)	44 mg/kg	
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	Worker	inhalation	long term (systemic effects)	330 mg/m ³	
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	Consumer	inhalation	short term (systemic effects)	570 mg/m ³	
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	Consumer	oral	long term (systemic effects)	26 mg/kg	
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	Consumer	inhalation	long term (systemic effects)	71 mg/m ³	
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	Consumer	dermal	long term (systemic effects)	26 mg/kg	
solvent naphtha (petroleum), light arom. (64742-95-6)	Worker	dermal	long term (systemic effects)	25 mg/kg	repeated
solvent naphtha (petroleum), light arom. (64742-95-6)	Worker	oral	long term (systemic effects)	150 mg/m ³	repeated
solvent naphtha (petroleum), light arom. (64742-95-6)	Consumer	dermal	long term (systemic effects)	11 mg/kg	repeated
solvent naphtha (petroleum), light arom. (64742-95-6)	Consumer	inhalation	long term (systemic effects)	32 mg/m ³	repeated
solvent naphtha (petroleum), light arom. (64742-95-6)	Consumer	oral	long term (systemic effects)	11 mg/kg	mg/kg per day
solvent naphtha (petroleum), light arom. (64742-95-6)	Worker	inhalation	long term (systemic effects)	100 mg/m ³	

8.1.4. PNEC values

No information.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 7010 Underbody Bitumen

Creation date: 6.10.2009 · Revision: 16.1.2019 · Version: 1

8.2. Exposure controls

8.2.1. Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not breathe vapours/aerosols. Avoid contact with eyes and skin.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

8.2.2. Personal protective equipment

Eye and face protection

Safety glasses with side protection (EN 166).

Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately.

Appropriate materials

Material	Thickness	Penetration Time	Remark
Nitrile			

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Protective mask with organic vapour filter. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

Thermal hazards

-

8.2.3. Environmental exposure controls

-

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

-	Physical state:	liquid
-	Colour:	according to specification
-	Odour:	solvent like

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 7010 Underbody Bitumen

Creation date: 6.10.2009 · Revision: 16.1.2019 · Version: 1

Important health, safety and environmental information

-	pH	No information.
-	Melting point/freezing point	No information.
-	Initial boiling point/boiling range	142 °C
-	Flash point	39 °C
-	Evaporation rate	No information.
-	Flammability (solid, gas)	450 °C
-	Explosion limits (vol%)	0,6 – 15 vol %
-	Vapour pressure	5 hPa at 20 °C
-	Vapour density	No information.
-	Density	Density: 1,04 g/cm ³ at 20 °C
-	Solubility	Water: Insoluble
-	Partition coefficient	No information.
-	Auto-ignition temperature	No information.
-	Decomposition temperature	No information.
-	Viscosity	kinematic: 45 (ISO 6 mm)
-	Explosive properties	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
-	Oxidising properties	No information.

9.2. Other information

-	Weight organic solvents	43,8 %
-	Solid contents	55,6 %
-	Remarks:	

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

-

10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3. Possibility of hazardous reactions

-

10.4. Conditions to avoid

No special precautions required. Consider the directions for use and storage. Protect from heat, direct sunlight, open fire, sparks.

10.5. Incompatible materials

Not known.

10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

Product name: **7010 Underbody Bitumen**

Creation date: **6.10.2009** · Revision: **16.1.2019** · Version: **1**

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

(a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	oral	LD ₅₀	rat		> 5000 mg/kg		
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	dermal	LD ₅₀	rabbit		> 3160 mg/kg		
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	inhalation	LC ₅₀	rat	4 h	13,1 mg/l		vapour
solvent naphtha (petroleum), light arom. (64742-95-6)	oral	LD ₅₀	rat		> 6800 mg/kg		
solvent naphtha (petroleum), light arom. (64742-95-6)	dermal	LD ₅₀	rabbit		> 3400 mg/kg		
solvent naphtha (petroleum), light arom. (64742-95-6)	inhalation	LC ₅₀	rat	4 h	> 10,2 mg/l		

(b) Skin corrosion/irritation

No information.

(c) Serious eye damage/irritation

No information.

(d) Respiratory or skin sensitisation

No information.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

No information.

(h) STOT-single exposure

No information.

(i) STOT-repeated exposure

No information.

(j) Aspiration hazard

No information.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 7010 Underbody Bitumen

Creation date: 6.10.2009 · Revision: 16.1.2019 · Version: 1

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Acute (short-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	EL ₅₀	4,6 – 10 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>		
	EL ₅₀	10 – 22 mg/L	48 h	daphnia	<i>Daphnia magna</i>		
	LL ₅₀	10 – 30 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
	NOELR	1 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>		
solvent naphtha (petroleum), light arom. (64742-95-6)	LC ₅₀	9,2 mg/L	96 h	fish			
	EC ₅₀	3,2 mg/L	48 h	crustacea			
	NOELR	1 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>		

12.1.2. Chronic (long-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	LOEC	0,203 mg/l	21 days	Magna Daphnia	<i>Daphnia magna</i>		
	NOEC	0,097 mg/l	21 days	Magna Daphnia	<i>Daphnia magna</i>		

12.2. Persistence and degradability

12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

12.2.2. Biodegradation

No information.

12.3. Bioaccumulative potential

12.3.1. Partition coefficient

No information.

12.3.2. Bioconcentration factor (BCF)

No information.

12.4. Mobility in soil

12.4.1. Known or predicted distribution to environmental compartments

No information.

12.4.2. Surface tension

No information.

12.4.3. Adsorption/Desorption

No information.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 7010 Underbody Bitumen

Creation date: 6.10.2009 · Revision: 16.1.2019 · Version: 1

12.5. Results of PBT and vPvB assessment

No evaluation.

12.6. Other adverse effects

No information.

12.7. Additional information

For product

Do not allow to reach ground water, water courses or sewage system.

Avoid release to the environment.

Water hazard class 2 (self-assessment): hazardous for water.

Danger to drinking water if even small quantities leak into ground water.

Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

Waste chemical

Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Do not allow product to reach drains/sewage systems.

Waste codes / waste designations according to LoW

08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances

15 01 10* - packaging containing residues of or contaminated by dangerous substances

Packaging

Deliver completely emptied containers to approved waste disposal authorities.

13.1.2. Waste treatment-relevant information

-

13.1.3. Sewage disposal-relevant information

-

13.1.4. Other disposal recommendations

-

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

UN 1139

14.2. UN proper shipping name

COATING SOLUTION

14.3. Transport hazard class(es)

3

14.4. Packing group

III

14.5. Environmental hazards

Additional labeling: ENVIRONMENTALLY HAZARDOUS

IMDG: MARINE POLLUTANT



SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **7010 Underbody Bitumen**

Creation date: **6.10.2009** · Revision: **16.1.2019** · Version: **1**

14.6. Special precautions for user

Limited quantities

5 L

Tunnel restriction code

(D/E)

IMDG flashpoint

39 °C, c.c.

IMDG EmS

F-E, S-E

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Goods may not be carried in bulk in bulk containers, containers or vehicles.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Indication of changes

-

Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **7010 Underbody Bitumen**

Creation date: **6.10.2009** · Revision: **16.1.2019** · Version: **1**

EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC₅₀ - Lethal Concentration to 50 % of a test population
LD₅₀ - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

Key literature references and sources for data

MSDS; date: 05.10.2009

List of relevant H phrases

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **7010 Underbody Bitumen**

Creation date: **6.10.2009** · Revision: **16.1.2019** · Version: **1**



- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

© BENS Consulting | www.bens-consulting.com

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.