



Safety Data Sheet

According to Regulation (EC) No 453/2010

Elaboration date: 25.07.2012
Update date: -

Edition 1

Section 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier	ATLAS GENERAL PURPOSE BITUMINOUS COMPOUND
1.2 Relevant identified uses of the mixture and uses advised against	Water – based asphalt – rubber mass. Solvent – free preparation for renovation and maintenance of roofing installed on a single – layer felt ground coat and execution of jointless, felt – free roofing. <i>Detailed information concerning the use, properties and instruction for use of the agent are listed in the technical data sheet/product catalogue. The usage not listed in the ATLAS Sp. z o. o. documents should be previously consulted with a company representative.</i>
1.3 Details of the supplier of the Safety Data Sheet	ATLAS Sp. z o.o. Św. Teresy 105, 91-222 Łódź, Poland Processing plant: 83-305 Pomieczyno, Prządkowo telephone: +48 42 631 89 45 fax: +48 42 631 89 46 Person responsible for the Safety Data Sheet: info@izohan.com.pl
1.4 Emergency telephone number	112 – alarm number for mobiles and land line phones 998 – fire service 997 – police +48 58 781 45 85

Section 2. HAZARDS IDENTIFICATION

Preparation classification: Minister of Health Regulation (Dz.U.2007 No 174 pos. 1222)

Preparation does not contain ingredients classified as hazardous in concentrations higher than limit concentrations (of clear substances and their mixtures according to regulations defining the hazard type).

Fire hazard: Inflammable.

Toxicological hazard: Not hazardous for health when used properly.

Ecotoxicological hazard: Not hazardous for the environment when used properly.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Composition	Mixture of road asphalt, emulsifiers, water, fillers, additives.
3.2 Dangerous components	Preparation does not contain ingredients classified as hazardous in concentrations higher than limit concentrations (of clear substances and their mixtures according to regulations defining the hazard type).

Section 4. FIRST AID MEASURES

After inhalation: Inhalation poisoning not occurring, in order to avoid irritation provide constant fresh air access.

After skin contact: Remove contaminated clothing. Rinse the place exposed to mixture action with water and then wash with soap.

After contact with eyes: Do not rub eyes. Rinse immediately with plenty of water within min. 15 minutes, keep the eyes wide open during rinsing. Remove any contact lenses. In case of any symptoms of concern contact an eye specialist.

After ingestion: Rinse the mouth with water thoroughly. Do not induce vomiting. Do not give anything orally. In case of any symptoms of concern get medical assistance.

Section 5. FIREFIGHTING MEASURES



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Each employee should ask information concerning fire hazard at his worksite and closest environment. Worksite should be kept in due order. Flammable products must not be kept close to electrical devices, heaters and other sources of fire. In case of fire one should immediately, by all means, alarm people in the risk zone and call fire service (see: section 1.4) giving information essential for firefighting commencement (give the event site – full address, what is burning or what type of threat occurs, is there threat for human life, telephone number from which one is alarming as well as name and surname).

Next, using local extinguishing media, start firefighting and help people at risk, if necessary, start evacuation of people and property. These actions should be executed so that there is no start of panic, which can seize people at risk caused by fire and smoke. Panic can lead to unwanted and taking their toll accidents during rescue and firefighting actions. That is why when carrying any actions in case of fire one should give careful consideration when taking a decision. Until fire service comes the action is led by a particularly appointed person. Remember to protect the airway from smoke by using damp cloths and to move in bottom parts of rooms of high smoke level.

5.1 Extinguishing media	Suitable extinguishing media: Foam, dry powder (ABC, BC extinguisher), carbon dioxide Unsuitable extinguishing media: No
5.2 Special hazards arising from the mixture	Inflammable product, but in the fire environment acrid smoke being a mixture of compounds of asphalt destruction can excrete.
5.3 Advice for firefighters	One should wear full set of protective clothing and individual breathing apparatus. In each action firefighter, through contact with hazardous substances and element, is subject to injuries. That is why professional protective equipment is necessary. The basic equipment is a helmet protecting firefighter's head, made of proper fibers and characterized with high strength. Eyes and face should be protected with a face shield made of polycarbonate. Nape should be protected with a special piece of cloth. In certain circumstances firefighter can wear noncombustible balaclava protecting against high temperature. Proper specialist clothing made of material protecting against fire, mechanical damage and waterproof. In case of great dustiness/smoke level firefighter should be equipped with breathing apparatus, hindering dust and smoke penetration into the airway.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	<p>Avoid contact with the released mass, use protective clothing and protective gloves made of coated woven fabric. For material handling adhere to section 7, for individual protection measures adhere to section 8.</p> <p>For persons not belonging to staff applying aid: One should estimate situation, make sure if there is no further danger to any people nearby (victims, ones applying aid, etc.), if needed, secure the incident site and call for help. In case of lack of danger to human life and health, one should commence actions leading to limitation of product penetration to environment and commence cleaning works.</p> <p>For persons applying help: One should check if a victim responds to stimulus. If the victim is unconscious, immediately open the airway by gently tilting the head back and gently lifting the chin forward. Check if the person breaths (feel for the person's breath on your cheek). - If the victim breaths normally place the person in the recovery position and check one's breath regularly. - If the victim does not breath start the cardiopulmonary resuscitation (CPR): Place the heel of one hand over the center of the person's chest, between the nipples. Place your other hand on top of the first hand. Keep your elbows straight, and push straight down on (compress) the chest at least 2 inches (approximately 5 centimeters). Push hard at a rate of about 100 compressions a minute. After 30 chest compressions, open the person's airway and give two rescue breaths (pinch the nostrils, open the mouth keeping the chin lifted and, after taking</p>
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	<p>deep breath, tightly sealing victim's mouth, blow air into lungs). If the victim's chest does not rise one should examine the mouth to make sure no foreign material occluding the airway is inside, remove it immediately, and check if the head is tilted enough and chin lifted. Continue chest compressions and rescue breaths in ratio 30:2 until emergency personnel take over or the victim starts breathing by oneself.</p> <p>If at incident site there is none available to give rescue breaths, then provide chest compressions only.</p> <p>In case of choking one should encourage the victim to cough, and in case of serious choking bend the victim forward and give up to 5 blows between the shoulder blades with the heel of your hand.</p>
6.2 Environmental precautions	Counter release of material into environment (sewage system, ground or surface water and soil). Protect the drains.
6.3 Methods and material for containment and cleaning up	If possible eliminate the leakage, seal, place the damaged packaging in a backup package. Collect the released product mechanically and place in a sealed waste bin. Guidelines concerning spilled material disposal shown in Section 13.
6.4 Reference to other sections	Individual protection measures: section 8 Waste treatment: section 13

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling	Do not eat, drink during work with the preparation. Avoid contact with material, follow personal hygiene principles, use protective clothing and individual protection measures.
7.2 Conditions for safe storage, including any incompatibilities	Keep in sealed original and labelled packages in temperature above +5 °C. Keep out of reach of children.
7.3 Specific end uses	Not applicable.

Section 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters	In case of occurrence in the mixture of ingredients listed in section 3.2.1 according to Minister of Labour and Social Policy Regulation of 29 November 2002 concerning maximum allowable concentration and intensity of health harmful factors at workplace (Dz.U.2002 no 217 pos.1833) with further changes, monitoring at workplace is obligatory. Product does not contain any substances requiring monitoring at workplace.
8.2 Exposure controls	
8.2.1 Appropriate engineering controls	Provide access to running water for body washing and eyes rinsing. Provide proper room ventilation. Choice of protective equipment depends on exposure to the product.
8.2.2 Individual protection measures	
• respiratory protection	Not required.
• hand protection	Protective gloves.
• eye/face protection	Protective goggles.
• skin protection	Working clothes with long sleeves and legs with proper protection preventing the material from getting underneath. Long working footwear.
• occupational hygiene	Follow general occupational hygiene regulations. Change contaminated clothing. Wash hands and body after work, clean individual protection measures. Do not eat, drink, smoke, take medicines.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	Appearance: semi – liquid, brownish Odour: characteristic for asphalt water dispersion Odour threshold: not applicable pH: 9 - 11 Melting point / freezing point: 100 °C/ 0 °C Initial boiling point and boiling range: not applicable Flash point: not applicable Evaporation rate: not applicable
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	<p>Flammability: inflammable Upper / lower flammability or explosive limits: not applicable Vapour pressure: not known Vapour density: not known Relative density: approx. 1.1 g/cm³ (20 °C) Solubility: soluble in water; mostly soluble in other organic solvents Partition coefficient: n – octanol/water: not applicable Auto – ignitron temperature: not applicable Decomposition temperature: not applicable Viscosity: not applicable Explosive properties: not applicable Oxidising properties: not applicable</p>
9.2 Other information	Not applicable

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity	Not applicable
10.2 Chemical stability	Product stable in standard conditions.
10.3 Possibility of hazardous reactions	None known for storage and use according to regulations.
10.4 Conditions to avoid	Negative temperature.
10.5 Incompatible materials	Cationic emulsions, acids and their solutions.
10.6 Hazardous decomposition products	Soot, carbon dioxide.

Section 11. TOXICOLOGICAL INFORMATION

Routes of entry: contact with skin, contact with eyes.

General information: Product can irritate at direct contact with skin and eyes. Physical product state causes, that its consumption during standard use is hardly possible. In case of accidental swallowing irritation of digestive system can occur resulting in vomiting with potential absorption hazard.

11.1 Information on toxicological effects	<p>Acute toxicity LD50 – > 2000 mg/kg (orally, rat)</p> <p>Local toxicity: Inhalation: product does not show toxic action at respiratory system exposure CL50 – no data Swallowing: In practice unlikely due to product form. In case of swallowing vomiting, nausea can occur. DL50 – no data Skin contact: For direct contact minor skin irritation can occur. DL50 – no data Contact with eyes: For direct contact minor eyes irritation can occur. DL50 – no data</p> <p>Chronic toxicity: No effects of chronic exposure known. Mutagenicity: No data Carcinogenicity: No data Reproductive toxicity: No data</p>
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Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity	Counter release of material into the sewage system, surface water and soil.
12.2 Persistence and degradability	Product is not biodegradable in the range substantial for the environment.
12.3 Bioaccumulative potential	Bioaccumulation coefficient has not been set
12.4 Mobility in soil	No data
12.5 Results of PBT and vPvB assessment	Not applicable
12.6 Other adverse effects	Not applicable

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Waste safe treatment:	If possible, recycle and return to circulation. Do not dispose to the environment with sewage or water. Product waste should not contaminate soil or water. Follow rules of Waste Act of 27 April 2001 (Dz.U. 2001 no 62 pos. 628) with further changes.
Packaging waste treatment:	Clean packages can be re-used, recommended cleaning agent is water. Thoroughly emptied packages can be passed to authorized waste collector. Packaging soiled with product should be treated as product. Follow rules of Act on packaging and packaging waste of 11 May 2001 (Dz.U.2001 no.63 pos.638) with further changes.
Waste code:	product: 05 01 17 packaging: 15 01 02

Section 14. TRANSPORT INFORMATION

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard classes	Mixture transported in original packaging does not cause hazard in transport. Does not require special treatment and labelling according to current transport regulations.
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Follow rules of Act of 28 October 2002 on carriage of dangerous goods by road (Dz.U. 2002 No 199 pos. 1671) with further changes.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

Section 15. REGULATORY INFORMATION

15.1 Safety, health and environment regulations/ legislation specific for the mixture	
• Legal acts on the chemical substances and mixtures classification	Phrases indicating threat type according to Minister of Health Regulation of 10 August 2012 on criteria and method of classification of chemical substances and their mixtures (Dz.U.2012 No 0 pos.1018) (see Section 2.1)
• Legal acts on the hazardous substances packaging marking	Phrases qualifying conditions of safe use of hazardous mixture according to Minister of Health Regulation of 20 April 2012 on labelling packaging of hazardous substances and mixtures and some mixtures (Dz.U.2012 No 00 pos. 445) (see: Section 2.2)
• Other legal acts	- Act on chemical substances and their mixtures of 25 February 2011 (Dz.U.2011 no.63 pos.322) - Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and



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	<p>2000/21/EC with further changes</p> <ul style="list-style-type: none"> - Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) - Minister of Health Regulation of 30 December 2004 on occupational health and safety related to occurrence of chemical factors at workplace (Dz.U.2005 No 11 pos. 86) with further changes - Minister of Economy Regulation of 21 December 2005 on fundamental requirements for individual protection measures (Dz.U.2005 No 259 pos. 2173) - Government Declaration of 24 September 2002 on coming into effect of amendments to Appendix A and B to European Agreement concerning International Carriage of Dangerous Goods by Road (ADR), concluded in Geneva on 30 September 1957 (Dz.U.2002 No 194 pos.1629) with further changes - Act of 20 April 2004 on amendment and repealing of some acts in relation to gaining the European Union membership by the Republic of Poland (Dz.U.2004 No 96 pos. 959) - Minister of Economy, Labour and Social Policy Regulation of 26 September 1997 on general occupational health and safety rules (Dz.U.1997 No 129 pos. 844) with further changes - Minister of the Environment Regulation of 27 September 2001 on waste catalogue (Dz.U.2001 No 112 pos.1206) - Regulation (EC) of the European Parliament and of the Council No 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures amending and repealing Directive 67/548/EEC and 1999/45/EC and Regulation (EC) No 1907/2006
15.2 Chemical safety assessment	Not applicable

Section 16. OTHER INFORMATION

List of R - phrases	Not applicable
List of abbreviations and acronyms	<p>CAS No – Chemical Abstract Service number PBT – Persistent, Bioaccumulative, and Toxic vPvB – very Persistent very Bioaccumulative EC No – number assigned to a chemical substance in the European Inventory of Existing Chemical Substances, or number assigned to a substance in the European List of Notified Chemical Substances, or number in the list of chemical substances provided in the "No-longer polymers" publication. REACH regulation – Regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals. CMR substance/mixture – carcinogenic, mutagenic or toxic for reproduction substance/mixture. ADR – international agreement concerning the carriage of dangerous goods by road TLV – Threshold Limit Value STEL – Short – term Exposure Limit. GHS – Globally Harmonized System of Classification and Labelling of Chemicals CLP – Regulation aligning the GHS system MABC – Maximum Allowable Biological Concentration</p>
Training advice	Not applicable
Limitations of use	Not applicable
Other	<ul style="list-style-type: none"> When working with material one should mind dangers such as sprains, especially of back, arms and shoulders as a result of lifting and handling of bags with mortar, mortar mixtures, etc. Over the long term, frequent lifting of heavy items by workpeople can result in serious spine injuries. Safety Data Sheet elaborated in IZOHAN Sp. z o.o. According to definition of the Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, product is a mixture and is not subject to




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	<p>registration in REACH system.</p> <ul style="list-style-type: none">• According to Regulation (EC) No. 1272/2008 of the European Parliament and the Council, until 01 June 2015 mixtures are classified, labelled and packed according to Directive 1999/45/EC, after this date they will be classified, marked and packed according to CLP Regulation listed above.
Key literature basing on which this safety data sheet has been prepared	<p>The information on this data sheet reflects the currently available knowledge and has been gathered with regard to safety requirements, simultaneously not guaranteeing product properties. The data sheet does not release the user from applying the legislation, administrative and product rules, occupational health and safety rules. In elaboration of the data sheet the Center for Construction Research and Training and ECA (European Cement Association - Cembureau) library was used.</p>
Indication of changes in case of an update	<p>Changes in the safety data sheet in relation to the previous edition marked in the text with this mark: </p>