SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier  
Trade name : LOCKOUT  
Synonyms : with API: Bismuth subnitrate (60 %) TEAT SEAL Project

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

1.3 Details of the supplier of the safety data sheet  
Company : Boehringer Ing. Pharma GmbH & Co.KG  
Binger Str. 173  
55216 Ingelheim am Rhein  
Telephone : +498007790900  
E-mail address of person responsible for the SDS : EHS-Services@Boehringer-Ingelheim.com

1.4 Emergency telephone number  
Int. Emergency Telephone number: +1 703-527-3887 Chemtrec 24-hours

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture  
Classification (REGULATION (EC) No 1272/2008)  
Not a hazardous substance or mixture.

2.2 Label elements  
Labelling (REGULATION (EC) No 1272/2008)  
Not a hazardous substance or mixture.

2.3 Other hazards  
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures  
Chemical nature : organic  
Hazardous components  
Remarks : No hazardous ingredients
SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First Aid responders should pay attention to self-protection and use the recommended protective clothing. Remove from exposure, lie down. Take off immediately all contaminated clothing. Victim to lie down in the recovery position, cover and keep him warm.

If inhaled: Move to fresh air.

In case of skin contact: Wash off immediately with plenty of water.

In case of eye contact: Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing.

If swallowed: Rinse mouth. Drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Risks: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Observe the summary of product characteristics of proprietary medicinal products. Symptomatic treatment (decontamination, vital functions).

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Dry chemical, Foam, Carbon dioxide (CO2).

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: In case of fire and/or explosion do not breathe fumes. Can be released in case of fire: Carbon oxides, Nitrogen oxides (NOx).
5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. complete suit protecting against chemicals.

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear personal protective equipment. Ensure adequate ventilation. High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Pick up and transfer to properly labelled containers.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion: No special protective measures against fire required. The product is not flammable.

Hygiene measures: General industrial hygiene practice. Wash hands and face before breaks and immediately after handling the product. Keep working clothes separately.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: No special storage conditions required.

Advice on common storage: Keep away from food, drink and animal feedingstuffs. Advice on Segregation

Storage class (TRGS 510): 10, Combustible liquids not in Storage Class 3
7.3 Specific end use(s)
Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures
Local exhaust
Emergency sprinkling nozzle

Personal protective equipment
Eye protection : Safety glasses with side-shields
Hand protection
  Material : Nitrile rubber
  Break through time : 480 min
  Glove thickness : 0,43 mm
  Directive : Protective gloves against chemicals and micro-organisms
  Protective index : Class 6
Skin and body protection : Laboratory: laboratory coat; factory: disposable Overall.
Respiratory protection : No personal respiratory protective equipment normally required.
  Breathing apparatus needed only when aerosol or mist is formed.
  Respiratory protection : ABEK2
Protective measures : Handle in accordance with good industrial hygiene and safety practice.
  Avoid contact with skin, eyes and clothing.
  Only use protective equipment in accordance with national/international regulations. Follow the national regulations about wearing personal protective equipment and the warranty given by the manufacturer for the safe function.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Appearance : paste
Colour : No data available
Odour : No data available
Odour Threshold : No data available
pH : No data available
Melting point/range : No data available
Boiling point/boiling range : No data available
Flash point : Not applicable
Evaporation rate : No data available
Flammability (solid, gas) : Not applicable
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : No data available
Relative vapour density : No data available
Relative density : No data available
Bulk density : Not applicable
Solubility(ies) Water solubility : No data available
Partition coefficient: n-octanol/water : No data available
Ignition temperature : No data available
Decomposition temperature : No data available
Viscosity Viscosity, dynamic : No data available
Explosive properties : Not tested
Oxidizing properties : No data available

9.2 Other information
Self-ignition : No data available
SECTION 10: Stability and reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions
Hazardous reactions: No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid
Conditions to avoid: Extremes of temperature and direct sunlight.

10.5 Incompatible materials
Materials to avoid: No data available

10.6 Hazardous decomposition products
No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Not classified based on available information.

Skin corrosion/irritation
Not classified based on available information.

Serious eye damage/eye irritation
Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation
Not classified based on available information.

Respiratory sensitisation
Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.
SECTION 12: Ecological information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment

Product:  
Assessment:  
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:  
Dispose of in accordance with local regulations.

Contaminated packaging:  
Packs that cannot be cleaned should be disposed of in the same manner as the contents. Uncontaminated packaging can be recycled.

SECTION 14: Transport information

14.1 UN number
Not regulated as a dangerous good

14.2 UN proper shipping name
Not regulated as a dangerous good
14.3 Transport hazard class(es)
Not regulated as a dangerous good

14.4 Packing group
Not regulated as a dangerous good

14.5 Environmental hazards
Not regulated as a dangerous good

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).
: Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer
: Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants
: Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals
: Not applicable

: Not applicable

Water contaminating class
(Germany)
: WGK 1 slightly water endangering

TA Luft List (Germany)
: Total dust:
   Not applicable
   Inorganic substances in powdered form:
   Not applicable
   Inorganic substances in vapour or gaseous form:
   Not applicable
   Organic Substances:
   Not applicable
   Carcinogenic substances:
   Not applicable
   Mutagenic:
   Not applicable
   Toxic to reproduction:
   Not applicable
The components of this product are reported in the following inventories:

REACH : Not in compliance with the inventory
DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.
   Aluminiumtristearat
   Aerosil R 972
   Paraffin, dickflüssig
AICS : Not in compliance with the inventory
NZIoC : Not in compliance with the inventory
ENCS : Not in compliance with the inventory
ISHL : Not in compliance with the inventory
KECI : Not in compliance with the inventory
PICCS : Not in compliance with the inventory
IECSC : Not in compliance with the inventory
TCSI : Not in compliance with the inventory
TSCA : Not On TSCA Inventory

15.2 Chemical safety assessment
A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16: Other information

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; Elx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances; SDS - Safety Data Sheet; TCSI - Technical and Safety Information and Code of Practice; TSCA - Toxic Substances Control Act; UN - United Nations; UNN - United Nations Number; UN 3337 - UN Number for Explosives and Dangerous Goods; WHO - World Health Organization.
Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50% of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.