

Safety Data Sheet
 according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
 GHS


Printing date 08.05.2013

Revision: 08.05.2013

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

- 1.1 Product identifier
- Trade name: **Easy-Read® Black Liquid**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
 No further relevant information available.
- Application of the substance / the preparation Thermometer Filling Solution @1.5ML/Unit
- 1.3 Details of the supplier of the preparation
- Manufacturer/Supplier:
 H-B Instrument Company
 102 West Seventh Avenue
 Trappe, PA 19428 USA
 Phone: (610) 488-5500
- 1.4 Emergency telephone number:
 ChemTel Inc.
 (800)255-3924, +1 (613)248-0585

2 Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
 The substance is not classified according to the CLP regulation.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
 Xi; Irritant
- R36/38: Irritating to eyes and skin.
- Information concerning particular hazards for human and environment: Not applicable.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
 H227: Combustible Liquid. (General GHS and USA only)
- Hazard pictograms N/A
- Signal word N/A
- Hazard statements N/A
- Hazard description:
 WHMIS-symbols:
 B3 - Combustible liquid
 D28 - Toxic material causing other toxic effects



- NFPA ratings (scale 0 - 4)


Health = 1	Flame = 2	Reactivity = 0
------------	-----------	----------------

(Contd. on page 2)

Printing date 08.05.2013

Revision: 08.05.2013

Trade name: **Easy-Read® Black Liquid**

- HMIS-ratings (scale 0 - 4)
-  Health = 1
 Fire = 2
 Reactivity = 0
- HMIS Long Term Health Hazard Substances
 Substance is not listed.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

- 3.1 Substances
- CAS No. Description
 Non-Hazardous Ingredients

4 First aid measures

- 4.1 Description of first aid measures
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Remove contact lenses if worn.
- After swallowing: Do not induce vomiting; call for medical help immediately.
- 4.2 Most important symptoms and effects, both acute and delayed
 No further relevant information available.
- Hazards No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
 No further relevant information available.

5 Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
 CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: None.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:
 Wear self-contained respiratory protective device.
 Wear fully protective suit.

(Contd. on page 3)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
GHS

Printing date 08.05.2013

Revision: 08.05.2013

Trade name: Easy-React® Black Liquid

(Contd. of page 2)

- Additional information No further relevant information available.

6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
 - Wear protective equipment. Keep unprotected persons away.
 - Keep away from ignition sources.
 - 6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
 - 6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.
 - 6.4 Reference to other sections**
- See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- 7.1 Precautions for safe handling**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
 - Information about fire - and explosion protection: Protect from heat.
- 7.2 Conditions for safe storage, including any incompatibilities**
 - Storage:
 - Requirements to be met by storerooms and receptacles: No special requirements.
 - Information about storage in one common storage facility: Store away from foodstuffs.
 - Further information about storage conditions:
 - Keep container tightly sealed.
 - Protect from heat and direct sunlight.
 - 7.3 Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data, see item 7.
- 8.1 Control parameters**
 - Ingredients with limit values that require monitoring at the workplace: Not required.
 - DNELs No further relevant information available.
 - PNECs No further relevant information available.
- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls**
 - Personal protective equipment:
 - General protective and hygienic measures:
 - The usual precautionary measures are to be adhered to when handling chemicals.
 - Keep away from foodstuffs, beverages and feed.

(Contd. on page 4)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
GHS

Printing date 08.05.2013

Revision: 08.05.2013


Trade name: Easy-React® Black Liquid

(Contd. of page 3)

- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.
- Respiratory protection:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 - Protection of hands:



Protective gloves

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves**
 - Neoprene gloves
 - Nitrile rubber, NBR
- The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:**
 -  Safety glasses with side shields or face shield strongly suggested.
 - Safety glasses
 - Limitation and supervision of exposure into the environment
 - No further relevant information available.
 - Risk management measures
 - See Section 7 for additional information.
 - No further relevant information available.

9 Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**
 - General Information
 - Appearance:
 - Form: Liquid
 - Colour: Black
 - Odour: Citrus.
 - Odour threshold: Not determined.
 - pH-value: Not determined.

(Contd. on page 5)

Safety Data Sheet
 according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
 GHS

Printing date 08.05.2013

Revision: 08.05.2013

Trade name: Easy-Read® Black Liquid

(Contd. of page 4)	
Change in condition	Undetermined
Melting point/Softening range:	Undetermined
Boiling point/Boiling range:	Undetermined
Flash point:	67 °C (ASTM D-93)
Flammability (solid, gaseous):	Combustible Class IIIA per OSHA, 29CFR 1910.106
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density at 20 °C:	0.79 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Organic solvents:	99+ %
9.2 Other information	No further relevant information available.

10 Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions
- Reacts with oxidizing agents.
- Reacts with strong acids.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Hydrocarbons

(Contd. on page 6)

Safety Data Sheet
 according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
 GHS

Printing date 08.05.2013

Revision: 08.05.2013

Trade name: Easy-Read® Black Liquid

(Contd. of page 5)	
Carbon monoxide and carbon dioxide	
11 Toxicological information	
11.1 Information on toxicological effects	
Acute toxicity:	
LD ₅₀ values relevant for classification:	
Non-Hazardous ingredients	
Oral LD ₅₀	>5000 mg/kg (rat)
Dermal LD ₅₀	>5000 mg/kg (rabbit)
Primary irritant effect:	
on the skin:	Slight irritant effect on skin and mucous membranes.
on the eyes:	Irritating effect.
Sensitization:	No sensitizing effects known.

12 Ecological information

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

- 13.1 Waste treatment methods
- Recommendation
- Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

(Contd. on page 7)

Safety Data Sheet
according to 1907/2008/EC (REACH), 1272/2008/EC (CLP), and
GHS

Printing date 08.05.2013

Revision: 08.05.2013

Trade name: Easy-Ready® Black Liquid

(Contd. of page 6)

14 Transport Information

- 14.1 UN-Number
· DOT
· ADR, ADN, IMDG, IATA
MA1993
N/A
- 14.2 UN proper shipping name
· DOT
· ADR, ADN, IMDG, IATA
COMBUSTIBLE LIQUID, N.O.S
N/A
- 14.3 Transport hazard class(es)
· DOT
· Class
3 Flammable liquids.
- ADR, ADN, IMDG, IATA
Class
N/A
- 14.4 Packing group
· DOT
· ADR, IMDG, IATA
III
N/A
- 14.5 Environmental hazards:
· Marine pollutant:
No
- 14.6 Special precautions for user
Not applicable.
- 14.7 Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code
Not applicable.
- UN "Model Regulation":
-

15 Regulatory Information

- 15.1 Safety, health and environmental regulations/regulation specific for the substance or mixture
United States (USA)
SARA
- Section 356 (extremely hazardous substances):
Substance is not listed.
- Section 313 (Specific toxic chemical listings):
Substance is not listed.
- TSCA (Toxic Substances Control Act):
Proposition 65 (California):
Substance is not listed.
- Chemicals known to cause cancer:
Substance is not listed.
- Chemicals known to cause reproductive toxicity for females:
Substance is not listed.

(Contd. on page 8)

Safety Data Sheet
according to 1907/2008/EC (REACH), 1272/2008/EC (CLP), and
GHS

Printing date 08.05.2013

Revision: 08.05.2013

Trade name: Easy-Ready® Black Liquid

(Contd. of page 7)

- Chemicals known to cause reproductive toxicity for males:
Substance is not listed.
- Chemicals known to cause developmental toxicity:
Substance is not listed.
- Carcinogenic Categories
· EPA (Environmental Protection Agency)
Substance is not listed.
- IARC (International Agency for Research on Cancer)
Substance is not listed.
- TLV (Threshold Limit Value established by ACGIH)
Substance is not listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)
Substance is not listed.
- OSHA-Ca (Occupational Safety & Health Administration)
Substance is not listed.
- Canadian Domestic Substances List (DSL)
Substance is not listed.
- Canadian Ingredient Disclosure list (limit 0.1%)
Substance is not listed.
- Canadian Ingredient Disclosure list (limit 1%)
Substance is not listed.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- WHMIS: Workplace Hazardous Materials Information System (Canada)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

(Contd. on page 8)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
GHS

Printing date 08.05.2013

Revision: 08.05.2013

Trade name: **Easy-Read® Black Liquid**

Sources
SDS Prepared by:
ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com

(Contd. of page 8)

