S A F E T Y D A T A S H E E T

according to Hazard Communication Standard 29 CFR 1910.1200

Fixol

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

1.1. Product identifier

Product name Fixol

Product code None.

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

Use of the Substance/Mixture Adhesives

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification

Habasit Belting Inc.
805 Satellite Blvd.
P.O. Box 80507
Suwanee, GA 30024
USA
info.america@us.habasit.com

1.4. Emergency telephone number

Infotrac, Inc.:+1-800-535-5053
Habasit Belting Inc.: +1-678-288-3600

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Version 02 (Previous versions: 19.11.2016)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity, oral, Cat. 3, H301
Acute toxicity, dermal, Cat. 3, H311
Acute toxicity, inhal., Vapours, Cat. 3, H331
Skin corrosion/irritation, Cat. 2, H315
Serious eye damage/eye irritation, Cat. 2, H319
Specific target organ toxicity (single exposure, inhalation), Cat. 1, H370
Flammable liquids, Cat. 2, H225
Hazardous to the aquatic environment, acute, Cat. 1, H400

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements

Signal Word

Danger

Hazard Statements

H225: Highly flammable liquid and vapour.
H301+H311+H331: Toxic if swallowed, in contact with skin or if inhaled.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H370: Causes damage to organs.
H400: Very toxic to aquatic life.

Precautionary statements

P260v: Do not breathe vapour.
P262: Do not get in eyes, on skin, or on clothing.
P210b: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Supplemental information

None.

Product identifier

resorcinol; 1,3-benzenediol, CAS-No. 108-46-3, EC-No. 203-585-2
methanol, CAS-No. 67-56-1, EC-No. 200-659-6

2.3. Other hazards

None.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Adhesive on solvent basis.

Components		CLP Classification	Product identifier
resorcinol; 1,3-benzenediol	50% - 75%	Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Aquatic Acute 1 H400	CAS-No.: 108-46-3 EC-No.: 203-585-2 Index-No: 604-010-00-1
methanol	30% - 50%	Acute Tox. 3 H331, Acute Tox. 3 H311, Acute Tox. 3 H301, STOT SE 1 H370, Flam. Liq. 2 H225	CAS-No.: 67-56-1 EC-No.: 200-659-6 Index-No: 603-001-00-X

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove person to fresh air and keep comfortable for breathing. Consult a physician after significant exposure.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

Ingestion Do not induce vomiting. If conscious, drink plenty of water. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed Headache. Dizziness. Blurred vision.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Carbon dioxide (CO2). Alcohol-resistant foam Dry chemical.

Extinguishing media which must not be used for safety reasons High volume water jet.

5.2. Special hazards arising from the substance or mixture During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus.
Specific methods	Prevent fire extinguishing water from contaminating surface water or the ground water system. 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

Advice for non-emergency personnel	Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Remove all sources of ignition.
Advice for emergency responders	Use personal protective equipment. Remove ignition sources. Ensure adequate ventilation. Vapours are heavier than air and may spread along floors.
6.2. Environmental precautions	Prevent product from entering surface water or sewage.
6.3. Methods and material for containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.
6.4. Reference to other sections	See chapter 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Wear personal protective equipment. Keep away from sources of ignition - No smoking. Provide appropriate exhaust ventilation at machinery. Do not breathe vapours/dust. Vapours are heavier than air and may spread along floors. Wash hands and exposed skin before eating, drinking or smoking and after work. Take off contaminated clothing and wash it before reuse. When using, do not eat, drink or smoke.
7.2. Conditions for safe storage, including any incompatibilities	Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store together with food.
7.3. Specific end use(s)	Use only in accordance with our recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)	Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.
resorcinol (CAS 108-46-3)	
U.S. - OSHA - Vacated PELs - TWAs	10 ppm TWA 45 mg/m3 TWA
U.S. - OSHA - Vacated PELs - STELs (Short Term Exposure Limits)	20 ppm STEL 90 mg/m3 STEL
methanol (CAS 67-56-1)	
U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)	200 ppm TWA 260 mg/m3 TWA
U.S. - OSHA - Vacated PELs - TWAs	200 ppm TWA 260 mg/m3 TWA
U.S. - OSHA - Vacated PELs - STELs (Short Term Exposure Limits)	250 ppm STEL 325 mg/m3 STEL

8.2. Exposure controls

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice.
Personal protection equipment	
Respiratory protection	In case of good ventilation no personal respiratory protective equipment required. In case of insufficient ventilation wear suitable respiratory equipment. Suitable respiratory equipment: ABEK-filter ABEK-P3-filter Respirator with filter for organic vapour
Hand protection	Protective gloves complying with EN 374. Gloves made of Butyl. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature). The exact break through time can be obtained from the protective glove producer and this has to be observed. Do not wear leather gloves. Do not wear cotton gloves.
Eye protection	Safety glasses with side-shields conforming to EN166.
Skin and body protection	Long sleeved clothing.
Thermal hazards	No special measures required.
Environmental exposure controls	Dispose of waste or used sacks/containers according to local regulations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Dark brown.
Odour	Alcoholic.
Odour Threshold	Not determined.
pH:	not applicable
Melting point/range:	Not determined.
Boiling point/range:	>64 °C (Methanol)
Flash point:	22 °C
Evaporation Rate:	Not determined.
Flammability:	Not determined.
Explosion limits:	36% v/v - 5,5% v/v (Methanol)
Vapour pressure:	28 mbar (20°C)
Vapor density:	Not determined.
Relative density:	1.03 g/cm3 (20°C)
Water solubility:	completely miscible
Partition coefficient (n-octanol/water):	Not determined.
Autoignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Viscosity:	105 mPa*s (20°C)
Explosive properties:	Not explosive
Oxidising properties:	None

9.2. Other information

General Product Characteristics	no data available

SECTION 10: Stability and reactivity

10.1. Reactivity	No hazards to be specially mentioned.
10.2. Chemical stability	No decomposition if stored and applied as directed.
10.3. Possibility of hazardous reactions	No hazards to be specially mentioned.
10.4. Conditions to avoid	Heat, flames and sparks.
10.5. Incompatible materials	None.
10.6. Hazardous decomposition products	None reasonably foreseeable.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Information given is based on data on the components and the toxicology of similar products. Toxic by inhalation, in contact with skin and if swallowed. **resorcinol; 1,3-benzenediol (CAS 108-46-3)** Dermal LD50 Rabbit = 3360 mg/kg (NLM_CIP) Inhalation LC50 Rat = 21.3 mg/L 1 h(JAPAN_GHS) Oral LD50 Rat = 202 mg/kg (JAPAN_GHS) **methanol (CAS 67-56-1)** Inhalation LC50 Rat = 22500 ppm 8 h(JAPAN_GHS) Oral LD50 Rat = 6200 mg/kg (JAPAN_GHS)
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Serious eye damage/eye irritation
Respiratory / Skin Sensitisation	None.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Germ cell mutagenicity	Contains no ingredient listed as a mutagen.
Reproductive toxicity	Contains no ingredient listed as toxic to reproduction.
Specific target organ toxicity (single exposure)	Causes damage to organs.
Specific target organ toxicity (repeated exposure)	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Human experience	Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Information on likely routes of exposure	Skin contact. Inhalation.
Symptoms related to the physical, chemical and toxicological characteristics	Poison, may be fatal or cause blindness if swallowed. Causes headache, drowsiness or other effects to the central nervous system. Vertigo
Delayed and immediate effects and also chronic effects from short and long term exposure	Liver and kidney injuries may occur.
Interactive effects	No data is available on the product itself.

SECTION 12: Ecological information

12.1. Toxicity	No data is available on the product itself. Information given is based

	on data on the components and the toxicology of similar products.
resorcinol (CAS 108-46-3)	
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Oncorhynchus mykiss >100 mg/L [flow-through] (EPA) (EPA) LC50 96 h Pimephales promelas 53.4 mg/L (IUCLID) (IUCLID) LC50 96 h Pimephales promelas 36 - 100 mg/L [static] (EPA) (EPA) LC50 96 h Pimephales promelas 100 mg/L [flow-through] (EPA) (EPA)
Ecotoxicity - Water Flea - Acute Toxicity Data	LC50 48 h Daphnia magna 78 mg/L (IUCLID) (IUCLID)
methanol (CAS 67-56-1)	
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Pimephales promelas 28200 mg/L [flow-through] (EPA) (EPA) LC50 96 h Pimephales promelas >100 mg/L [static] (EPA) (EPA) LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through] (EPA) (EPA) LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static] (EPA) (EPA) LC50 96 h Lepomis macrochirus 13500 - 17600 mg/L [flow-through] (EPA) (EPA)
12.2. Persistence and degradability	Readily biodegradable.
12.3. Bioaccumulative potential	Bioconcentration factor (BCF): 3.16.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).
12.6. Other adverse effects	no data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Dispose of as hazardous waste in compliance with local and national regulations. Can be burned in a suitable installation subject to local regulations.
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport information

ADR/RID	UN 1992. Proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S. (resorcinol; 1,3-benzenediol, methanol). Class 3. Packing group II. ADR/RID-Labels 3+6.1+ENV. Environmentally hazardous: Yes Classification code FT1. Hazard identification no. 336. Limited quantity 1 L. Excepted quantity E2. Tunnel restriction code D/E
IMDG	UN 1992. Proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S. (resorcinol; 1,3-benzenediol, methanol). Class 3. Packing group II. IMDG-Labels 3+6.1+ENV. Limited quantity 1 L. Excepted quantity E2. EmS F-E, S-D. Marine pollutant: Yes.
IATA	UN 1992. Proper shipping name: Flammable liquid, toxic, n.o.s. (resorcinol; 1,3-benzenediol, methanol). Class 3. Packing group II. IATA label 3+6.1+ENV. Packing instruction (passenger aircraft): 352 (1 L). Packing instruction (LQ): Y341 (1 L). Packing instruction (cargo aircraft): 364 (60 L).
Inland navigation ADN	UN 1992. Proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S. (resorcinol; 1,3-benzenediol, methanol). Class 3. Packing group II. ADN labels 3+6.1+ENV. Classification code FT1. Limited quantity 1 L. Excepted quantity E2.
Further Information	Dangerous goods in limited quantities of class max. 5 litres/inner packang.

SECTION 15: Regulatory information

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

Regulatory Information	None.
resorcinol (CAS 108-46-3)	
Inventory - United States - Section 8(b) Inventory (TSCA)	Present

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities	5000 lb final RQ 2270 kg final RQ
U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics	waste number U201
U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261	waste number U201
U.S. - California - Occupational Exposure Limits - PELs	10 ppm PEL 45 mg/m3 PEL
U.S. - California - Occupational Exposure Limits - STELs	20 ppm STEL 90 mg/m3 STEL
methanol (CAS 67-56-1)	
Inventory - United States - Section 8(b) Inventory (TSCA)	Present
U.S. - CERCLA/SARA - Section 313 - Emission Reporting	1.0 % de minimis concentration
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities	5000 lb final RQ 2270 kg final RQ
U.S. - CPSC (Consumer Product Safety Commission) - Specially Regulated Substances	Special labeling, 16 CFR 1500.14 (including mixtures containing >=4% by weight)
U.S. - FIFRA - Listing of Pesticide Chemicals (40 CFR 180)	Section number 180.910 Section number 180.920 Section number 180.930
U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards	5.6 mg/L (wastewater) 0.75 mg/L TCLP (nonwastewater)
U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics	waste number U154 (ignitable waste)
U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII	Included in waste stream: F039
U.S. - California - Proposition 65 - Developmental Toxicity	developmental toxicity, 3/16/2012
U.S. - California - Occupational Exposure Limits - PELs	200 ppm PEL 260 mg/m3 PEL
U.S. - California - Occupational Exposure Limits - STELs	250 ppm STEL 325 mg/m3 STEL
U.S. - California - Occupational Exposure Limits - Ceilings	1000 ppm Ceiling
U.S. - California - Occupational Exposure Limits - Skin Notations	material may be absorbed through the skin, eyes or mucous membrane
U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)	Category IIa
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)	47000 µg/day MADL (inhalation) 23000 µg/day MADL (oral)

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL) Priority List	First priority
15.2. Chemical safety assessment	Not required.

SECTION 16: Other information

Revision Note	This data sheet contains changes from the previous version in section(s): 1, 2, 4, 5, 8, 9, 10, 11, 12, 13, 14, 16
Key or legend to abbreviations and acronyms	MAK: Occupational exposure limit.
Key literature references and sources for data	Information taken from reference works and the literature.
Classification procedure	Calculation method. On basis of test data.
Full text of phrases referred to under sections 2 and 3	H225: Highly flammable liquid and vapour. H301: Toxic if swallowed. H302: Harmful if swallowed. H311: Toxic in contact with skin. H315: Causes skin irritation. H319: Causes serious eye irritation. H331: Toxic if inhaled. H370: Causes damage to organs. H400: Very toxic to aquatic life.
Training advice	The rules which cover amongst other things the requirement for ventilation, protective clothing, personal protective equipment etc. can be obtained from the National Occupational Health and Safety Board.
Further information	Made in: Switzerland Habasit AG Römerstrasse 1 4153 Reinach/BL, Switzerland Phone: +41 (0)61 715 15 15 (Mo - Fr, 7.30h - 17h) SDS info: product.safety@habasit.com
Instructions for use	For industrial application only. Use only in accordance with our recommendations.
Disclaimer	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.