



SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Vulcol

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

1.1. Product identifier

Product name Vulcol

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

Issuing date 06.09.2018

Version 02 (Previous versions: 29.07.2016)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

according to the Globally Harmonized System

Skin corrosion/irritation, Cat. 2, H315
Serious eye damage/eye irritation, Cat. 2, H319
Germ cell mutagenicity, Cat. 2, H341
Reproductive toxicity, Cat. 2 (d), H361d
Specific target organ toxicity (repeated exposure), Cat. 2, H373
Aspiration hazard, Cat. 1, H304
Specific target organ toxicity (single exposure, narcotic effects), Cat. 3, H336
Flammable liquids, Cat. 2, H225

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.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H341: Suspected of causing genetic defects.
H361d: Suspected of damaging the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P260v: Do not breathe vapour.
P262: Do not get in eyes, on skin, or on clothing.
P280e: Wear protective gloves/eye protection.
P210b: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Supplemental information

None.

Product identifier

ethyl acetate, CAS-No. 141-78-6
butanone; ethyl methyl ketone, CAS-No. 78-93-3
toluene, CAS-No. 108-88-3
phenol; carboic acid; monohydroxybenzene; phenylalcohol, CAS-No. 108-95-2

2.3. Other hazards

None.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Adhesive on solvent basis.

Components			Product identifier
ethyl acetate	10% - 20%	Eye Irrit. 2 H319, STOT SE 3 H336, Flam. Liq. 2 H225, EUH066	CAS-No.: 141-78-6
butanone; ethyl methyl ketone	30% - 50%	Eye Irrit. 2 H319, STOT SE 3 H336, Flam. Liq. 2 H225, EUH066	CAS-No.: 78-93-3
toluene	10% - 20%	Repr. 2 H361 (d), Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336, Flam. Liq. 2 H225	CAS-No.: 108-88-3
phenol; carboic acid; monohydroxybenzene; phenylalcohol	1% - 5%	Muta. 2 H341, Acute Tox. 3 H331, Acute Tox. 3 H311, Acute Tox. 3 H301, STOT RE 2 H373, Skin Corr. 1B H314 [CSK1B: C ≥ 3 % ; CSK2: 1 % ≤ C < 3 % ; CEy2: 1 % ≤ C < 3 %]	CAS-No.: 108-95-2

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	Move to fresh air. 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. Call a physician immediately.

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

4.3. Indication of any immediate medical attention and special treatment needed None known.

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 all sources of ignition. 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.
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ethyl acetate (CAS 141-78-6)

U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)	400 ppm TWA
U.S. - OSHA - Vacated PELs - TWAs	1400 mg/m ³ TWA
U.S. - OSHA - Vacated PELs - TWAs	400 ppm TWA
U.S. - OSHA - Vacated PELs - TWAs	1400 mg/m ³ TWA

butanone; ethyl methyl ketone (CAS 78-93-3)

U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)	200 ppm TWA
U.S. - OSHA - Vacated PELs - TWAs	590 mg/m ³ TWA
U.S. - OSHA - Vacated PELs - TWAs	200 ppm TWA
U.S. - OSHA - Vacated PELs - TWAs	590 mg/m ³ TWA
U.S. - OSHA - Vacated PELs - STELs (Short Term Exposure Limits)	300 ppm STEL
U.S. - OSHA - Vacated PELs - STELs (Short Term Exposure Limits)	885 mg/m ³ STEL

toluene (CAS 108-88-3)

U.S. - OSHA - Final PELs - Ceiling Limits	300 ppm Ceiling
U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)	200 ppm TWA
U.S. - OSHA - Vacated PELs - TWAs	100 ppm TWA
U.S. - OSHA - Vacated PELs - TWAs	375 mg/m ³ TWA
U.S. - OSHA - Vacated PELs - STELs (Short Term Exposure Limits)	150 ppm STEL
U.S. - OSHA - Vacated PELs - STELs (Short Term Exposure Limits)	560 mg/m ³ STEL
U.S. - OSHA - Final PELs - Acceptable Maximum Peaks Above the Ceiling Concentrations for an 8-	500 ppm Peak (10 minutes)

hour Shift

phenol; carboic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)

U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)	5 ppm TWA 19 mg/m ³ TWA
U.S. - OSHA - Vacated PELs - TWAs	5 ppm TWA 19 mg/m ³ TWA

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	Viscous.
Colour	Dark amber.
Odour	Solvent.
Odour Threshold	Not determined.
pH:	not applicable
Melting point/range:	Not determined.
Boiling point/range:	>76°C (Ethylacetat)
Flash point:	-12°C
Evaporation Rate:	Not determined.
Flammability:	Not determined.
Explosion limits:	11,5%v/v - 1.2%v/v (Butanon)
Vapour pressure:	31 mbar (20°C)
Vapor density:	Not determined.
Relative density:	0.9 g/cm ³ (20°C)
Water solubility:	partly soluble

Partition coefficient (n-octanol/water):	Not determined.
Autoignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Viscosity:	10 Pa*s (20°C)
Explosive properties:	Not explosive
Oxidising properties:	None

9.2. Other information

General Product Characteristics	no data available
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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	<p>Information given is based on data on the components and the toxicology of similar products.</p> <p>ethyl acetate (CAS 141-78-6) Dermal LD50 Rabbit > 18000 mg/kg (JAPAN_GHS) Inhalation LC50 Rat = 4000 ppm 4 h(HSDB) Oral LD50 Rat = 5620 mg/kg (NLM_CIP)</p> <p>butanone; ethyl methyl ketone (CAS 78-93-3) Dermal LD50 Rabbit = 5000 mg/kg (JAPAN_GHS) Inhalation LC50 Rat = 11700 ppm 4 h(JAPAN_GHS) Oral LD50 Rat = 2483 mg/kg (JAPAN_GHS)</p> <p>toluene (CAS 108-88-3) Dermal LD50 Rabbit = 12000 mg/kg (JAPAN_GHS) Inhalation LC50 Rat = 12.5 mg/L 4 h(JAPAN_GHS) Oral LD50 Rat = 2600 mg/kg (JAPAN_GHS)</p> <p>phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2) Dermal LD50 Rabbit = 630 mg/kg (NLM_CIP) Oral LD50 Rat = 340 mg/kg (JAPAN_GHS)</p>
Skin corrosion/irritation	Skin irritation.

Serious eye damage/eye irritation	Severe eye irritation.
Respiratory / Skin Sensitisation	None.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Germ cell mutagenicity	Suspected of causing genetic defects.
Reproductive toxicity	Suspected of damaging the unborn child.
Specific target organ toxicity (single exposure)	Narcotic effects
Specific target organ toxicity (repeated exposure)	May cause damage to organs (Cornea) through prolonged or repeated exposure.
Aspiration hazard	Based on available data, the classification criteria are not met.
Human experience	No data available.
Information on likely routes of exposure	Inhalation. Skin contact.
Symptoms related to the physical, chemical and toxicological characteristics	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	Tiredness Other central nervous effects.

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.

ethyl acetate (CAS 141-78-6)

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

LC50 96 h Pimephales promelas 220 - 250 mg/L [flow-through] (EPA)
 LC50 96 h Oncorhynchus mykiss 484 mg/L [flow-through] (IUCLID)
 LC50 96 h Oncorhynchus mykiss 352 - 500 mg/L [semi-static] (EPA)

Ecotoxicity - Water Flea - Acute Toxicity Data

EC50 48 h Daphnia magna 560 mg/L [Static] (EPA)

butanone; ethyl methyl ketone (CAS 78-93-3)

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

LC50 96 h Pimephales promelas 3130 - 3320 mg/L [flow-through] (EPA)

Ecotoxicity - Water Flea - Acute Toxicity Data

EC50 48 h Daphnia magna >520 mg/L (IUCLID)
 EC50 48 h Daphnia magna 5091 mg/L (IUCLID)
 EC50 48 h Daphnia magna 4025 - 6440 mg/L [Static] (EPA)

toluene (CAS 108-88-3)

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L [flow-through] (1 day old, EPA) (EPA)
 LC50 96 h Pimephales promelas 12.6 mg/L [static] (EPA)
 LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L [flow-through] (EPA)

	LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L [static] (EPA)
	LC50 96 h Oncorhynchus mykiss 5.8 mg/L [semi-static] (EPA)
	LC50 96 h Lepomis macrochirus 11.0 - 15.0 mg/L [static] (EPA)
	LC50 96 h Oryzias latipes 54 mg/L [static] (EPA)
	LC50 96 h Poecilia reticulata 28.2 mg/L [semi-static] (EPA)
	LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L [static] (EPA)
Ecotoxicity - Water Flea - Acute Toxicity Data	EC50 48 h Daphnia magna 5.46 - 9.83 mg/L [Static] (EPA)
	EC50 48 h Daphnia magna 11.5 mg/L (IUCLID)
Ecotoxicity - Freshwater Algae - Acute Toxicity Data	EC50 96 h Pseudokirchneriella subcapitata >433 mg/L (IUCLID)
	EC50 72 h Pseudokirchneriella subcapitata 12.5 mg/L [static] (EPA)
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Pimephales promelas 11.9 - 50.5 mg/L [flow-through] (EPA)
	LC50 96 h Pimephales promelas 20.5 - 25.6 mg/L [static] (EPA)
	LC50 96 h Pimephales promelas 32 mg/L (IUCLID)
	LC50 96 h Oncorhynchus mykiss 5.449 - 6.789 mg/L [flow-through] (EPA)
	LC50 96 h Oncorhynchus mykiss 7.5 - 14 mg/L [static] (EPA)
	LC50 96 h Oncorhynchus mykiss 4.23 - 7.49 mg/L [semi-static] (EPA)
	LC50 96 h Oncorhynchus mykiss 5.0 - 12.0 mg/L (IUCLID)
	LC50 96 h Lepomis macrochirus 13.5 mg/L [static] (EPA)
	LC50 96 h Lepomis macrochirus 11.9 - 25.3 mg/L [flow-through] (EPA)
	LC50 96 h Lepomis macrochirus 11.5 mg/L [semi-static] (EPA)
	LC50 96 h Poecilia reticulata 34.09 - 47.64 mg/L [static] (EPA)
	LC50 96 h Poecilia reticulata 31 mg/L [semi-static] (EPA)
	LC50 96 h Brachydanio rerio 27.8 mg/L (IUCLID)
	LC50 96 h Cyprinus carpio 0.00175 mg/L [semi-static] (EPA)
	LC50 96 h Oryzias latipes 33.9 - 43.3 mg/L [flow-through] (EPA)
	LC50 96 h Oryzias latipes 23.4 - 36.6 mg/L [static] (EPA)
Ecotoxicity - Water Flea - Acute Toxicity Data	EC50 48 h Daphnia magna 4.24 - 10.7 mg/L [Static] (EPA)
	EC50 48 h Daphnia magna 10.2 - 15.5 mg/L (EPA)
Ecotoxicity - Freshwater Algae - Acute Toxicity Data	EC50 96 h Pseudokirchneriella subcapitata 46.42 mg/L (EPA)
	EC50 96 h Pseudokirchneriella subcapitata 0.0188 - 0.1044 mg/L [static] (EPA)
	EC50 72 h Desmodesmus subspicatus 187 - 279 mg/L [static] (EPA)
Ecotoxicity - Earthworm - Acute Toxicity Data	LC100 56 Days Eisenia foetida 6900 mg/kg [soil dry weight] (IUCLID)

12.2. Persistence and degradability

Partly biodegradable.

12.3. Bioaccumulative potential

Does not bioaccumulate.

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. 080400 - wastes from MFSU of adhesives and sealants (including waterproofing products)
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport information

ADR/RID	UN 1133. Proper shipping name: ADHESIVES containing flammable liquid. Class 3. Packing group II. ADR/RID-Labels 3. Classification code F1. Hazard identification no. 33. Limited quantity 5 L. Excepted quantity E2. Tunnel restriction code D/E
IMDG	UN 1133. Proper shipping name: ADHESIVES, containing flammable liquid. Class 3. Packing group II. IMDG-Labels 3. Limited quantity 5 L. Excepted quantity E2. EmS F-E, S-D. Marine pollutant: No.
IATA	UN 1133. Proper shipping name: Adhesives, containing flammable liquid. Class 3. Packing group II. IATA label 3. Packing instruction (passenger aircraft): 353 (5 L). Packing instruction (LQ): Y341 (1 L). Packing instruction (cargo aircraft): 364 (60 L).
Inland navigation ADN	UN 1133. Proper shipping name: ADHESIVES containing flammable liquid. Class 3. Packing group II. ADN labels 3. Classification code F1. Limited quantity 5 L. Excepted quantity E2.
Further Information	None.

SECTION 15: Regulatory information

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

Regulatory Information	None.
ethyl acetate (CAS 141-78-6)	
Inventory - United States - Section 8(b) Inventory (TSCA)	Present (ACTIVE)
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities	5000 lb final RQ 2270 kg final RQ
U.S. - FIFRA - Listing of Pesticide Chemicals (40 CFR 180)	Section number 180.910
U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics	waste number U112 (ignitable waste)
U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII	Included in waste stream: F039
U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards	0.34 mg/L (wastewater) 33 mg/kg (nonwastewater)
U.S. - TSCA (Toxic Substances Control Act) - Section 8(a) - Chemical Data Reporting Rule - Ineligible Substances	Section 4
U.S. - California - Occupational Exposure Limits - PELs	400 ppm PEL 1400 mg/m ³ PEL
butanone; ethyl methyl ketone (CAS 78-93-3)	
TEDX (The Endocrine Disruption Exchange) - Potential Endocrine Disruptors	Present
Inventory - United States - Section 8(b) Inventory (TSCA)	Present (ACTIVE)
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities	5000 lb final RQ 2270 kg final RQ
U.S. - FIFRA - Listing of Pesticide Chemicals (40 CFR 180)	Section number 180.920
U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards	0.28 mg/L (wastewater) 36 mg/kg (nonwastewater)
U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents	Present
U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring	Present
U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261	waste number U159

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics	waste number U159 (ignitable waste, toxic waste)
U.S. - RCRA (Resource Conservation & Recovery Act) - D Series Wastes - Max Conc of Contaminants for the Toxic Characteristic	200.0 mg/L regulatory level
U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII	Included in waste streams: F005, F039
U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring	Present
U.S. - TSCA (Toxic Substances Control Act) - Section 8(d) - 716.120(a) - Health and Safety Reporting - List of Substances	Effective 10/04/1982, Sunset 10/04/1992
U.S. - California - Occupational Exposure Limits - PELs	200 ppm PEL 590 mg/m ³ PEL
U.S. - California - Occupational Exposure Limits - STELs	300 ppm STEL 885 mg/m ³ STEL
U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)	Category IIa
toluene (CAS 108-88-3)	
TEDX (The Endocrine Disruption Exchange) - Potential Endocrine Disruptors	Present
Inventory - United States - Section 8(b) Inventory (TSCA)	Present (ACTIVE)
U.S. - CERCLA/SARA - Section 313 - Emission Reporting	1.0 % de minimis concentration
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities	1000 lb final RQ 454 kg final RQ
U.S. - CPSC (Consumer Product Safety Commission) - Specially Regulated Substances	Special labeling, 16 CFR 1500.14 (including mixtures containing >=10% by weight)
U.S. - EPA - ATSDR - Chronic Minimal Risk Levels	1 ppm MRL (draft, inhalation)
U.S. - EPA - ATSDR - Intermediate Minimal Risk Levels	0.2 mg/kg/day MRL (draft, oral)
U.S. - EPA - ATSDR - Acute Minimal Risk Levels	2 ppm MRL (draft, inhalation) 0.8 mg/kg/day MRL (draft, oral)
U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261	waste number U220
U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents	Present
U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring	Present

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics	waste number U220
U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151
U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring	Present
U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards	0.080 mg/L (wastewater) 10 mg/kg (nonwastewater)
U.S. - TSCA (Toxic Substances Control Act) - Section 8(d) - 716.120(a) - Health and Safety Reporting - List of Substances	Effective 10/04/1982, Sunset 10/04/1992
U.S. - California - Occupational Exposure Limits - PELs	10 ppm PEL 37 mg/m3 PEL
U.S. - California - Occupational Exposure Limits - STELs	150 ppm STEL 560 mg/m3 STEL
U.S. - California - Occupational Exposure Limits - Ceilings	500 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 - Priority Toxic Pollutants - Human Health Criteria	6800 µg/L water and organisms 200000 µg/L organisms only
U.S. - California - Proposition 65 - Developmental Toxicity	developmental toxicity, 1/1/1991
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)	7000 µg/day MADL (level represents absorbed dose)
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	
TEDX (The Endocrine Disruption Exchange) - Potential Endocrine Disruptors	Present
Inventory - United States - Section 8(b) Inventory (TSCA)	Present (ACTIVE)
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs	500 lb lower TPQ 10000 lb upper TPQ
U.S. - CERCLA/SARA - Section 313 - Emission Reporting	1.0 % de minimis concentration
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities	1000 lb final RQ 454 kg final RQ
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs	1000 lb EPCRA RQ
U.S. - CPSC (Consumer Product Safety Commission) - Specially Regulated Substances	Add POISON to label, 16 CFR 1500.129 (>=5% free or chemically unneutralized)
U.S. - EPA - ATSDR - Acute Minimal Risk Levels	1 mg/kg/day MRL (final, oral)

U.S. - FIFRA - Listing of Pesticide Chemicals (40 CFR 180)	Section number 180.920 Section number 180.930
U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards	0.039 mg/L (wastewater) 6.2 mg/kg (nonwastewater)
U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261	waste number U188
U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics	waste number U188
U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII	Included in waste streams: F039, K001, K022, K087
U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring	Present
U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents	Present
U.S. - TSCA (Toxic Substances Control Act) - Section 8(d) - 716.120(a) - Health and Safety Reporting - List of Substances	Effective 06/01/1987, Sunset 06/01/1997
U.S. - California - Occupational Exposure Limits - PELs	5 ppm PEL 19 mg/m ³ PEL
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 - Priority Toxic Pollutants - Human Health Criteria	21000 µg/L water and organisms 4600000 µg/L organisms only
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):
Key or legend to abbreviations and acronyms	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS) MAK: Occupational exposure limit.
Key literature references and sources for data	Information taken from reference works and the literature.
Full text of phrases referred to under sections 2 and 3	H225: Highly flammable liquid and vapour. H301: Toxic if swallowed. H304: May be fatal if swallowed and enters airways. H311: Toxic in contact with skin.

H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H331: Toxic if inhaled.
H336: May cause drowsiness or dizziness.
H341: Suspected of causing genetic defects.
H361d: Suspected of damaging the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.

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

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Conversion °C=>°F: °F = (°C * 1.8) + 32

Instructions for use

For industrial application only. Use only in accordance with our recommendations.

Disclaimer

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