



SAFETY DATA SHEET

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

Rubcol A

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

1.1. Product identifier

Product name Rubcol A

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: 29.07.2016)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

according to the Globally Harmonized System Serious eye damage/eye irritation, Cat. 2, H319
Skin Sensitisation, Cat. 1, H317
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

2.2. Label elements**Signal Word**

Danger

Hazard Statements

H225: Highly flammable liquid and vapour.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H336: May cause drowsiness or dizziness.

Precautionary statements

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 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.
 P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P501: Dispose of contents/ container to an approved waste disposal plant.

Supplemental information

None.

Product identifier

acetone; propan-2-one; propanone, CAS-No. 67-64-1
 butanone; ethyl methyl ketone, CAS-No. 78-93-3
 ethyl acetate, CAS-No. 141-78-6
 Hydroabietyl alcohol, CAS-No. 13393-93-6

2.3. Other hazards

None. None.

SECTION 3: Composition/information on ingredients
3.2. Mixtures

Adhesive on solvent basis.

Components			Product identifier
acetone; propan-2-one; propanone	50% - 75%	Eye Irrit. 2 H319, STOT SE 3 H336, Flam. Liq. 2 H225, EUH066	CAS-No.: 67-64-1
butanone; ethyl methyl ketone	10 - 20%	Eye Irrit. 2 H319, STOT SE 3 H336, Flam. Liq. 2 H225, EUH066	CAS-No.: 78-93-3
ethyl acetate	10 - 20%	Eye Irrit. 2 H319, STOT SE 3 H336, Flam. Liq. 2 H225, EUH066	CAS-No.: 141-78-6
Hydroabietyl alcohol	1 - 5%	Skin Sens. 1 H317, Aquatic Chronic 2 H411	CAS-No.: 13393-93-6

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 plenty of water. Remove contaminated clothing and shoes. If skin irritation persists, call a physician.
Eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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 This information is not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.

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 Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Remove all sources of ignition.

Advice for emergency responders Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition. Vapours are heavier than air and may spread along floors.

6.2. Environmental precautions Prevent product from entering drains.

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. Provide appropriate exhaust ventilation at machinery. Keep away from sources of ignition - No smoking. Vapours are heavier than air and may spread along floors. Do not breathe vapours/dust. Wash hands and exposed skin before eating, drinking or smoking and after work. Remove contaminated clothing and shoes.

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.

acetone; propan-2-one; propanone (CAS 67-64-1)
U.S. - OSHA - Final PELs - Time 1000 ppm TWA

Weighted Averages (TWAs)	2400 mg/m ³ TWA
U.S. - OSHA - Vacated PELs - TWAs	750 ppm TWA 1800 mg/m ³ TWA
U.S. - OSHA - Vacated PELs - STELs (Short Term Exposure Limits)	2400 mg/m ³ STEL (The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.) 1000 ppm STEL
butanone; ethyl methyl ketone (CAS 78-93-3)	
U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)	200 ppm TWA 590 mg/m ³ TWA
U.S. - OSHA - Vacated PELs - TWAs	200 ppm TWA 590 mg/m ³ TWA
U.S. - OSHA - Vacated PELs - STELs (Short Term Exposure Limits)	300 ppm STEL 885 mg/m ³ STEL
ethyl acetate (CAS 141-78-6)	
U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)	400 ppm TWA 1400 mg/m ³ TWA
U.S. - OSHA - Vacated PELs - TWAs	400 ppm TWA 1400 mg/m ³ TWA

8.2. Exposure controls

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice.

Personal protection equipment

<i>Respiratory protection</i>	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
<i>Hand protection</i>	Gloves made of Chloroprene. Protective gloves complying with EN 374. 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.
<i>Eye protection</i>	Safety glasses with side-shields conforming to EN166.
<i>Skin and body protection</i>	Long sleeved clothing.
<i>Thermal hazards</i>	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	Light yellow.
Odour	Acetone.

Odour Threshold	Not determined.
pH:	Not determined.
Melting point/range:	Not determined.
Boiling point/range:	55°C
Flash point:	-19°C
Evaporation Rate:	Not determined.
Flammability:	Not determined.
Explosion limits:	13% / 1.8% v/v
Vapour pressure:	233 mbar (20°C)
Vapor density:	Not determined.
Relative density:	0.87 g/cm ³ (20°C)
Water solubility:	partly miscible.
Partition coefficient (n-octanol/water):	Not determined.
Autoignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Viscosity:	2 Pa*s (20°C)
Explosive properties:	liquid, flammable
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	Stable up to approximately 55 °C.
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. acetone; propan-2-one; propanone (CAS 67-64-1) Dermal LD50 Rabbit > 15700 mg/kg (OECD_SIDS) Inhalation LC50 Rat = 50100 mg/m ³ 8 h(OECD_SIDS) Oral LD50 Rat = 5800 mg/kg (NLM_CIP) 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) 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)
Skin corrosion/irritation	None.
Serious eye damage/eye irritation	Irritating to eyes.
Respiratory / Skin Sensitisation	May cause sensitisation by skin contact.
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)	Narcotic effects
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	No data is available on the product itself.
Information on likely routes of exposure	Skin contact. Inhalation.
Symptoms related to the physical, chemical and toxicological characteristics	Drowsiness Vertigo Causes headache, drowsiness or other effects to the central nervous system.
Delayed and immediate effects and also chronic effects from short and long term exposure	Tiredness

SECTION 12: Ecological information

12.1. Toxicity	No data is available on the product itself.
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acetone; propan-2-one; propanone (CAS 67-64-1)

Ecotoxicity - Freshwater Fish - Acute Toxicity Data LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L (EPA)
LC50 96 h Pimephales promelas 6210 - 8120 mg/L [static] (IUCLID)
LC50 96 h Lepomis macrochirus 8300 mg/L (EPA)
Ecotoxicity - Water Flea - Acute Toxicity Data EC50 48 h Daphnia magna 10294 - 17704 mg/L [Static] (EPA)
EC50 48 h Daphnia magna 12600 - 12700 mg/L (IUCLID)

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)

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)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No data available.

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 incinerated, when in compliance with 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 (acetone; propan-2-one; propanone). 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 (acetone; propan-2-one; propanone). 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 (acetone; propan-2-one; propanone). 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 (acetone; propan-2-one; propanone). 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.
acetone; propan-2-one; propanone (CAS 67-64-1)	
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. - EPA - ATSDR - Acute Minimal Risk Levels	26 ppm MRL (final, inhalation)
U.S. - EPA - ATSDR - Chronic Minimal Risk Levels	13 ppm MRL (final, inhalation)
U.S. - EPA - ATSDR - Intermediate Minimal Risk Levels	13 ppm MRL (final, inhalation) 2 mg/kg/day MRL (final, oral)
U.S. - EPA - Endocrine Disruptor Screening Program (EDSP) - Final List of Chemicals for Tier 1 Screening	HPV/Inert
U.S. - FDA - CEDI Database - Cumulative Estimated Daily Intakes (CEDIs)	0.0025 mg/kg/d CEDI (175.105 73.1 73.615 176.300 175.320 73.30 173.210 73.345 176.180 177.2600)
U.S. - FIFRA - Listing of Pesticide Chemicals (40 CFR 180)	Section number 180.910 Section number 180.930
U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards	0.28 mg/L (wastewater) 160 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) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics	waste number U002 (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) - TSD Facilities Ground Water Monitoring	Present
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	500 ppm PEL 1200 mg/m3 PEL
U.S. - California - Occupational Exposure Limits - STELs	750 ppm STEL 1780 mg/m3 STEL
U.S. - California - Occupational Exposure Limits - Ceilings	3000 ppm Ceiling

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/m3 PEL
U.S. - California - Occupational Exposure Limits - STELs	300 ppm STEL 885 mg/m3 STEL
U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)	Category IIa
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) - Phase 4 LDR Rule - Universal Treatment Standards	0.34 mg/L (wastewater) 33 mg/kg (nonwastewater)
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. - 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
Hydroabietyl alcohol (CAS 13393-93-6)	
Inventory - United States - Section 8(b) Inventory (TSCA)	Present (ACTIVE)

15.2. Chemical safety assessment A Chemical Safety Assessment is not required for this substance.

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. TWA: time weighted average
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. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects.
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
Conversion °C=>°F: °F = (°C * 1.8) + 32

Instructions for use

For industrial application only.

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.