The Ruscoe Co.

1. Chemical Product and Company Identification			
Material Identity			
Product Name: Ruscoe Animal ID Tag Cement C	CT-0106		
Product Number: 55714L			
Generic ID: Synthetic Rubber /Resin in Solvent			
Company	Emergency Telephone	: 800-424-9300	
The Ruscoe Company (Ch 485 Kenmore Blvd. Akron, Ohio 44301	emtrec – 24 hours/day)		
Telephone: 330-253-8148	Fax: 330-253-2933		
2. Composition/Information on Ingredients			
Ingredients	CAS Number	% (by weight)	
Petroleum Hydrocarbon Solvent, Light Aliphatic Contains n-Hexane CAS# 110-54-3 Contains n-Heptane CAS# 142-82-5 Contains Cyclohexane CAS# 110-82-7	64742-89-8	35-48	
Synthetic Rubber	Trade Secret	15-22	
Hydrocarbon Kesin	Trade Secret	38-48	

3. Hazards Identification

Potential Health Effects

Eye

Mildly irritating to the eyes. High vapor concentrations may be irritating.

Skin

Mildly irritating to the skin. Prolonged or repeated contact may result in defatting and drying of the skin.

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

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Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Vapor may be irritating to the nose, throat, and respiratory tract. High vapor concentrations may produce central nervous system depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination.

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), and death.

Target Organ Effects

Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: liver abnormalities, kidney damage, brain damage. Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans: liver abnormalities, eye damage, kidney damage spleen damage, heart damage and possible hearing loss.

Developmental Information

No data

Cancer Information

No data

Other Health Effects

No data

Primary Routes of Entry

Inhalation, Skin absorption, and Skin contact.

4. First Aid Measures

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with plenty of water for at least 15 minutes while holding eyelids apart; seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

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Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If Breathing is difficult, administer oxygen. Give artificial respiration if not breathing. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians

This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), liver, kidney, central nervous system, eye.

5. Fire Fighting Measures

Flash Point

<0 ° F / -18 ° C TCC

Explosive Limit

(for component) Lower:1% Upper: 7% (V)

Autoignition Temperature

450 ° F / 232 ° C

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide, various hydrocarbons. Will float and can be reignited on surface water.

Fire and Explosion Hazards

Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media

Regular foam, water fog, carbon dioxide, dry chemical.

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Fire Fighting Instructions

Wear a self-contained breathing apparatus with a full facepiece operate in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating

Not determined

6. Accidental Release Measures

Small Spill

Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood. Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks.

Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from the area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

7. Handling and Storage

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred.

8. Exposure Controls/Personal Protection

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

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Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Precautions

If workplace exposure limits of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygientist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLVs.

Exposure Guidelines

Component

Rubber Solvent (64742-89-8) OSHA VPEL 100 ppm – TWA OSHA TWA 100 ppm ACGIH TLV 400 ppm – TWA

n-Hexane (110-54-3) OSHA PEL 500 ppm – TWA OSHA VPEL 50 ppm – TWA ACGIH TLV 50 ppm – TWA

Cyclohexane (110-82-7) OSHA PEL 300 ppm – TWA OSHA VPEL 300 ppm – TWA ACGIH TLV 100 ppm – TWA

n-Heptane (142-82-5) OSHA PEL 500 ppm – TWA OSHA VPEL 400 ppm – TWA OSHA STEL 500 ppm – TWA ACGIH TLV 400 ppm – TWA ACGIH STEL 500 ppm – TWA

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9. Physical and Chemical Properties

Boiling Point

(for components) 148-193 °F (64-89 °C) @ 760 mmHg

Vapor Pressure

(for component) 18.4-19.2 kPa at 20 °C / 68 °F

Specific Vapor Density

3.2 @ air=1

Specific Gravity

0.84 @ 74 °F

Liquid Density

7.1 lbs/gal @ 74 °F

Percent Volatiles

35-48 %

Evaporation Rate

(for component) 8.8 @ n-Butyl Acetate=1

Appearance

Amber colored liquid

State

Liquid

Physical Form

No data

Color

Amber liquid

Odor

Hydrocarbon Odor

pН

Not applicable

10. Stability and Reactivity

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Hazardous polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability

Stable

Incompatibility

Avoid contact with: strong alkalies, strong mineral acids, strong oxidizing agents.

11. Toxicological Information

No data

12. Ecological Information No data

13. Disposal Information

Waste Management Information

Destroy by liquid incineration in accordance with applicable regulations.

14. Transport Information

DOT Information – 49 CFR 172.101

DOT Description

Adhesives, 3, UN1133, II

Container/Mode: 55 gal drum/Truck package

NOS Component: None

RQ (Reportable Quantity) – 49 CFR 172.101

Product Quantity (lbs)

Component

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19654	Petroleum Hydrocarbon Solvent, Light Aliphatic
26041	n-Hexane
18939	Cyclohexane
33000	Benzene

15. Regulatory Information

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ – 40 CFR 302.4(a)

Component	RQ (lbs)
n-Hexane	5000 lbs
Cyclohexane	1000 lbs
Benzene	10 lbs
Toluene	1000 lbs

CERCLA RQ – 40 CFR 302.4(b)

Materials without a "listed" RQ may be reportable as an "unlisted hazardous substance." See 40 CFR 302.5(b).

SARA 302 Compon Section 302 C	ents – 40 CFR 355 Components	Appendix A	TPO (lbs)	RO (lbs)
None				
Section 311/312 Haz	zard Class – 40 CF	°R 370.2		
Immediate (X	C) Delayed (X)	Fire (X)	Reactive ()	Sudden Release
of Pressure ()			

SARA 313 Components - 40 CFR 372.65

Section 313 Components	CAS Number	
	110 54 2	20.00
n-Hexane	110-54-3	28.80
Cyclohexane	110-82-7	6.24
Benzene	71-43-2	< 0.03
Toluene	108-88-3	< 0.01

International Regulations

Inventory Status

Not Determined

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State and Local Regulations California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substances known to the State of California to cause cancer.

Benzene

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substances known to the state of California to cause reproductive harm.

Toluene

New Jersey RTK Label Information

n-Hexane	(110-54-3)	28.80%
Cyclohexane	(110-82-7)	6.24%
n-Heptane	(142-82-5)	1.44%
Benzene	(71-43-2)	<0.03%
Toluene	(108-88-3)	< 0.01%

Pennsylvania RTK Label Information

n-Hexane	(110-54-3)	28.80%	Listed
Cyclohexane	(110-82-7)	6.24%	Listed Environmental Hazard
n-Heptane	(142-82-5)	1.44%	Listed
Benzene	(71-43-2)	< 0.03%	Listed Special Hazard
			Environmental Hazard
Toluene	(108-88-3)	<0.01%	Listed Environmental Hazard

16. Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of the need that the information is current, applicable, and suitable to their circumstances.

End of MSDS