

## **MATERIAL SAFETY DATA SHEET**

Section I – Product Information				
Product Name or Identity:	Ruscoe CT-0106 Animal ID Tag Cement			
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.	800 424 9300	
	944 Nandino Blvd	Int'l Emergency Phone No.	703 527 3887	
	Lexington, KY 40511	Collect Calls A	s Accepted	
	Phone No: 859 254 1221	Fax No:	859 255 5532	
		e-mail:	inform@neogen.com	
Date Prepared or Revised: 05/11/2010				

Section II – Hazardous Ingredients / Identity Information							
Hazardous Components			OSHA	ACGIH	OSHA	ACGIH	OSHA
(Specific Chemical Identity: Common Names)			PEL	TLV	VPEL	STEL	STEL
Petroleum Hydrocarbon Solvent, Light Aliphatic			100 ppm	400 ppm	100 ppm	NA	NA
CAS # 64742-89-8		35-48%					
Contains:							
n-Hexane	CAS # 110-54-3		500 ppm	50 ppm	50 ppm	NA	NA
n-Heptane	CAS # 142-82-5		500 ppm	400 ppm	400 ppm	500 ppm	500 ppm
Cyclohexane	CAS # 110-82-7		300 ppm	100 ppm	300 ppm	NA	NA
Synthetic Rubber	CAS # (trade secret)	12-18%	NA	NA	NA	NA	NA
Hydrocarbon Resin	CAS # (trade secret)	38-48%	NA	NA	NA	NA	NA
Synthetic rubber/resin in solvent.							

Section III – Physical Characteristics				
Boiling Point (for components): 148-193°F (64-89°C) at 760 mmHg	Specific Gravity: 0.85 at 74°F			
Flash Point: < 0°F (-18°C)	Autoignition Temperature: 450°F (232°C)			
Vapor Pressure (for component): 18.4-19.2 kPa at 68°F (20°C)	Evaporation Rate (for component): 8.8 at n-Butyl Acetate = 1			
Liquid Density: 7.1 lb/gal at 74°F	Percent Volatiles: 35-48%			
Specific Vapor Density: 3.2 at air = 1	pH: NA			
State: Liquid	Physical Form: No data			
Appearance and Odor: Amber colored liquid with hydrocarbon odor				

Section IV – Fire and Explosion Hazard Data				
Flash Point (Method): < 0°F (-18°C) (TCC)	Estimated Flammable Limits: LEL (Lower Explosive Limit) – 1% vol (component)			
	UEL (Upper Explosive Limit) – 7% vol			
Extinguishing Media: Regular foam; Water fog; Dry chemical; Carbon dioxide.				

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 the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Special Fire Fighting Procedures: 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.

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: Heat, flames, and sparks.
	Stable	Х	
Incompatibility (Material to Avoid): Avoid contact with strong alkalis, strong mineral acids, strong oxidizing agents.			
Hazardous Products of Combustion: May form carbon dioxide, carbon monoxide, and/or various hydrocarbons. Will float			
and can be reignited on surface water.			
Hazardous Polymerization: Product will not undergo hazardous polymerization.			

Section VI – Health Hazard Data						
Route(s) of Entry	or mis small during likely effect irritati and re vapor produ syste in dizz heade coord	ation: Breathing of vapor st is possible. Breathing amounts of this material g normal handling is not to cause harmful s. Vapor may be ng to the nose, throat, espiratory tract. High concentrations may act central nervous m depression resulting ziness, lightedness, headache, ea, and loss of ination.	Skin, eyes: Mildly irritating to skin and eyes. High vapor concentrations may be irritating. Prolonged or repeated contact may result in defatting and drying of the skin.	Ingestion: 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, resulting in lung inflammation and/or other lung injury.		
Health Hazards	(Acute and	Chronic): Overexposure to	this material (or its components) has	been suggested as a cause		
of the following e	effects in lab	oratory animals: liver abno	ormalities, kidney damage, brain dama	age. Overexposure to this		
			cause of the following effects in huma	ans: liver abnormalities, eye		
			ge, and possible hearing loss.			
Carcinogenicity: No data. NTP: No data. I.A.R.C. monographs: No data. OSHA Regulated: No				OSHA Regulated: No data.		
Signs and 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.  Medical Conditions Generally Aggravated by Exposure: See Health Hazards section above.						
Emergency / First Aid Procedures	t Aid Place individual on left side with head down. Contact a physician, medical facility, or poison control					
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.						
Eye Contact: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek medical attention.						
	Skin Contact: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.					

## Section VII – Precautions for Safe Handling and Use

Accidental Release Measures: For small spills, 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. For large spills, eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing personal 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.

Waste Disposal Method: Destroy by liquid incineration in accordance with applicable regulations.

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.

	Section VIII – Control Measures				
Respiratory Protection (Specify Type): If workplace exposure limits of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in the absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.					
Ventilation	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLVs.	Special: None			
		Other: NA			
Skin protection: Wear resistant gloves (consult your		Eye Protection: Chemical splash goggles in compliance with			
safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and		OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety			
boots.		representative.			
Other Protective Equipment: To prevent repeated or prolonged skin contact, wear impervious clothing and boots. Do not inhale vapors. Avoid contact with eyes and skin.					
Work/Hygienic Practices: Store work clothing separately. Remove soiled or soaked clothing immediately. Follow usual good standards of occupational hygiene.					

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.