

NIGHTINGALE SUPPLY

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MATERIAL SAFETY DATA SHEET

THIS PRODUCT IS CLASSIFIED AS **HAZARDOUS** ACCORDING TO CRITERIA OF **NOHSC** AND A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

IDENTIFICATION SECTION:

Product Name	:	CONTACT GEL
Other Names	:	Solvent based adhesive
U.N. Number	:	1133
Correct Shipping Name	:	Adhesive containing flammable liquid (i) immiscible with water
Dangerous Goods Class & Subsidiary Risk	:	3 none allocated
Hazchem Code	:	3 (Y) E
Poison Schedule	:	S5
E.P.G.	:	3 A 1
Use(s)	:	A Gel grade solvent based adhesive for bonding various wood, laminate and other materials for application via a scraper.

PHYSICAL DESCRIPTION / PROPERTIES:

Appearance	:	Pale Yellow gel with solvent odour
Boiling Point	:	> 53°C (hydrocarbon solvents)
Vapour pressure	:	2.2 Pa @ 15°C (toluene),
Specific Gravity	:	approx. 0.9 g/cm ³
Flash Point	:	- 17°C (acetone)
Flammability Limits LEL	:	Lower: 1.3% (toluene) Upper: 7.0% (toluene)
Solubility in water	:	Immiscible
Other properties	:	
Autoignition Temp	:	Toluene: 550°C, Acetone: 465°C

HAZARDOUS INGREDIENTS:

Chemical Entity	CAS No.	Proportion
Toluene	108-88-3	30 - 60%
Acetone	67-64-1	10 - 30 %
Hydrocarbon solvents	NA	10 - 30 %
Polychloroprene		10 - 30 %
Mineral Filler		1 - 10 %
Resin		1 - 10 %
Additives		1 - 10 %
Metal oxides		1 - 10 %

HEALTH HAZARD INFORMATION:

HEALTH EFFECTS

Swallowed:

Harmful if swallowed. Tends to break up into a foam if the patient vomits. Harmful to lungs if swallowed. Symptoms include nausea, vomiting, coughing, pulmonary irritation, diarrhea, headache. If a large amount is ingested and retained, symptoms of Central Nervous System depression and irritation occur and include weakness, dizziness, unconsciousness and convulsions.

Skin:

Mildly irritating to the skin. Frequent or prolonged contact may cause skin complaints such as dermatitis.

Eyes:

This material is expected to be mildly irritating to the eye.

Inhalation:

Irritating to the respiratory system. Prolonged exposure to vapours may cause headaches, impairment of judgement, Central Nervous System depression which in extreme cases can lead to unconsciousness or death.

CHRONIC:

Repeated or prolonged skin contact may lead to dermatitis. Exposure to relatively high concentrations of acetone can mimic metabolic ketosis. While no human cases of acetone induced ketosis adversely affecting pregnancy have been reported, care should be taken.

FIRST AID:

Swallowed:

DO NOT induce vomiting. Give 1-2 glasses of water and obtain medical assistance. Should the patient vomit, maintain a clear airway until medical assistance is obtained.

First Aid Continued:

Skin:

Hose down with water before removing clothing due to possibility of static discharge igniting vapour. Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

Eyes:

Irrigate with copious quantities of water for (15) minutes. Seek medical assistance if effect persists.

Inhalation:

Remove victim from exposure – avoid becoming a casualty. If the person stops breathing apply artificial respiration and other first aid techniques as required until medical assistance is obtained.

Advice to Doctor:

Treat symptomatically. Aspiration is main danger

Exposure Limits:

No exposure standard is available for the material as such. Exposure standards for the hazardous components are as follows (NOHSC-1995):

Toluene:	TWA: 100 ppm (377mg/m ³)	STEL: 150 ppm (565 mg/m ³)
Acetone:	TWA: 500 ppm (1185 mg/m ³)	STEL: 1000 ppm (2375 mg/m ³)

Ventilation:

Provide explosion proof ventilation sufficient to maintain exposure levels below the listed exposure limits.

Personal Protection:

Respiratory Type (as1716):	Organic Vapour Mask if exposed to mist or vapours.
Glove type:	Impervious gloves should be worn to prevent skin contact. Contact Industrial glove supplier for a suitable glove.
Eye Protection:	Goggles or face shield to avoid splashes.
Clothing:	Sufficient to avoid skin contact.

Flammability:

Fire Hazard:	Highly Flammable
Sources of Ignition Advice:	Isolate from all sources of heat, naked flames and sparks, including static discharges. Prevent build up of flammable vapours. Vapour and air mixtures may ignite explosively.

SAFE HANDLING INFORMATION:

Storage and Transport:

Store on a wooden pallet. Store between 5°C to 30°C.

Keep away from heat, naked flames or sparks including static discharges.

Use appropriate earthing techniques when transferring liquid from one container to another.

Store away from oxidizing agents. Keep containers closed at all times when not in use.

DANGEROUS GOODS CLASS/SUBSIDIARY RISK: Class 3 Flammable Liquid
Packaging Group: 11

Spills and Disposal:

Wear rubber gloves and goggles in addition to respiratory protection for protection from splashes and vapours.

Extinguish all ignition sources. Dam and recover. Prevent entry into drainage systems, rivers and waterways etc. Collect with absorbent material such as sand, earth or appropriate commercial absorbent. Shovel up with non-sparking tools then Place Into Suitable Containers for Disposal as Per Local, State/Federal Regulations.

Empty containers may contain product residue. Follow safety procedures until container has been cleaned.

Fire/Explosion Hazard:

Product is FLAMMABLE and does represent a FIRE and EXPLOSION HAZARD. Excessively heated sealed drums may rupture EXPLOSIVELY.

Dangerous Decomposition:

Carbon dioxide, carbon monoxide and other unidentified thermal decomposition products.

Fire Fighting Recommendations:

Use Foam, CO2 or Dry Chemical.

The data in this Material Safety Data Sheet has been compiled from our Suppliers Material Safety Data Sheets. This data relates only to the designated product and not to the use of said product in combination with other materials. Because conditions and circumstances of use of the product are beyond our control and any summary of data such as is represented by this Material Safety Data Sheet is inherently incomplete, Nightingale Supply makes no warranty about the accuracy of the data herein and assume no liability for the use of such data. Responsibility for proper precautions and safe use of the product lies with the user.