

MATERIAL SAFETY DATA SHEET

230
1/1/00

INTERNATIONAL EPOXIES & SEALERS
30241 COMMERCE DRIVE
SAN ANTONIO, FL 33576

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SECTION I - PRODUCT IDENTIFICATION

PART NUMBER: 230
PRODUCT NAME: INTER-TACK[®] Contact Adhesive
TRADE NAME/SYNONYMS: Contact Adhesive

SECTION III - PHYSICAL DATA

Appearance/Color: Clear, Green or Red
Boiling Range: 0°F - 315°F
% Volatile Volume: Not Available
% Volatile Weight: 83.29%

Specific Gravity: 0.757
Evaporation Rate: Faster than n-Butyl Acetate
Weight/Volume Measure: 6.62
Max. VOC: 610.2 g/L

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: IB
Flash Range: < 0
Setaflash
Explosive Range: 1.1%
12.8%

Extinguishing Media: Foam, dry chemical, carbon dioxide, water spray or fog.

Special Firefighting Procedures: Avoid breathing smoke. Use air supplied rescue equipment for enclosed area. Water tends to spread burning liquid if large amounts used.

Unusual Fire & Explosion Hazards: Vapors are heavier than air and may travel to an ignition source distant from the material handling point.

SECTION V - HEALTH HAZARD DATA

Permissible Exposure Level: See section VIII.

Effects Of Overexposure: INGESTION: Can cause gastrointestinal irritation, nausea and vomiting. Aspiration of material into lungs may cause chemical pneumonitis which can be fatal. INHALATION: May cause nose or throat irritation. High concentrations may cause acute central nervous system depression, characterized by headaches, dizziness, nausea and confusion. EYES: May cause severe eye irritation and corneal damage. SKIN: May cause dermatitis. May cause defatting and irritation of the skin.

SECTION VI - REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Strong oxidizing agents, strong acids and bases.

Conditions To Avoid: Fire, sparks, static electricity.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	%	TSCA
Toluene	108-88-3	10-30	Y
Acetone	67-64-1	15-40	Y
Naphthol Spirits	8052-41-3	10-30	Y
Hexane	110-54-3	7-13	Y
Cyclohexane	110-82-7	1-5	Y
Ammonium Hydroxide Solution	1336-21-6	< 0.5	Y

Product #230 INTER-TACK Contact Adhesive

SECTION VII - SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released Or Spilled: Keep spectators away. Eliminate all ignition sources (flames, hot surfaces and sources of electrical, static or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent.

Waste Disposal Method: Dispose of in accordance with Federal, State and Local regulations.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Occupational Exposure Limits:

	<u>ACGIH TLV</u>	<u>ACGIH TLV-C</u>	<u>ACGIH STEL</u>	<u>OSHA STEL</u>	<u>OSHA PEL</u>
Acetone	500.00 PPM	N/est	750.00 PPM	N/est	1000.00 PPM
Naphthol Spirits	100.00 PPM	N/est	N/est	N/est	500.00 PPM
Toluene	50.00 PPM	N/est	N/est	N/est	200.00 PPM
Hexane	400.00 PPM	N/est	500.00 PPM	N/est	500.00 PPM
Cyclohexane	200.00 PPM	N/est	N/est	N/est	200.00 PPM
Ammonium Hydroxide Solution	N/est	N/est	N/est	N/est	N/est

Respiratory Protection: If workplace exposure limit of product is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

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

Protective Gloves: Chemical resistant gloves.

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised.

Other Protective Equipment: To prevent repeated, prolonged skin contact, wear impervious clothing and boots.

Emergency And First Aid Procedures:

Eyes: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

Skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing and launder before re-use.

Ingestion: Do not induce vomiting, keep person warm, quiet and get medical attention (aspiration of this material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal).

Inhalation: Remove individual to fresh air and if breathing is difficult, administer oxygen.

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storage: Keep container closed when not in use. Store at 60-95 degrees F and out of the sun. Use adequate ventilation to avoid breathing vapors when cover is removed. Ground all equipment when handling flammable solvent borne materials.

Other Precautions: Containers may be hazardous when empty. Never use welding or cutting torch on or near drum (even when empty).

SECTION X - ADDITIONAL REGULATORY INFORMATION

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

<u>CAS No.</u>	<u>Chemical Compound</u>	<u>%</u>
108-88-3	Toluene	10-30
110-54-3	Hexane	7-13
110-82-7	Cyclohexane	1-5

continued

CALIFORNIA PROPOSITION 65

Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

CAS No.	Chemical Compound	%
108-88-3	Toluene	10-30

The following ingredients are registered for TSCA 12B:

CAS No.	Chemical Compound	%
67-64-1	Acetone	15-40
110-54-3	Hexane	7-13
110-82-7	Cyclohexane	1-5

DISCLAIMER

The information and recommendations provided herein are believed to be accurate as of the date hereof. However, such information and recommendations are provided without warranty of any kind and S & R Fastener Company, Inc. disclaims any and all liability or legal responsibility or use or reliance upon same.

Health	2
Fire	3
Reactivity	0
PPI	B