

MATERIAL SAFETY DATA SHEET**STICK IT®**

STICK IT® is a biodegradable temporary adhesive designed for use in holding small parts and assemblies on a limited basis. The material is a wax-like substance that has specific engineered force application and removal parameters. It is intended to provide a benign dielectric adhesive ability that performs better than grease, fuel lube, "Permatex", Vaseline or glue.

STICK IT® will hold small parts and assemblies for six-months after which it slowly degrades. It can be removed with soap and water, mineral solvents or simply by wiping away with a soft cloth. If left on a remote location it will normally do no harm although by its nature it will accumulate dust and small airborne particles over time. Material becomes liquid at 160° F and flows rapidly at 180° F.

TYPICAL PROPERTIES

Weight per U.S. gallon	7 lb.
Flash point	not available
Application	smear, dip
Thickness as applied	on condition
Coverage	17,000 applications/gallon
Removal	mineral spirits, heat
Packaging	¼ oz. propel-repel cartridges

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name	STICK IT®
MSDS #	001
Historic	none
Use	temporary adhesive
Manufacturer	GSH Corp. 2624 Indian Pass Rd. Port St. Joe, FL 32456
Emergency health information	N/A
Emergency spill information	N/A
Other product information	contact distributors
OSHA status	non-hazardous

COMPOSITION/INGREDIENTS

STICK IT® is a proprietary blend of isopolybuteline copolymer and functionalized polymer wax; exposure limits have not been determined by suppliers of the respective raw materials.

HAZARDS IDENTIFICATION

Physical state	semi-solid
Color	opaque white
Emergency overview	raw material suppliers have evaluated their materials and reported that they do not require any hazard warning on the labels of their respective products
Potential routes of entry (human)	skin contact, eyes, ingestion
Potential health affects	eyes – slight transient irritation skin – dryness or cracking with repeated exposure inhalation – not likely, however, high concentrations may cause blockage ingestion – diarrhea or irritation
Medical conditions aggravated by – repeated exposure is not known to aggravate medical condition (based upon raw material suppliers' representations)	
Over exposure	N/A

FIRST MEASURES

Eye contact – flush with warm water, remove solid residue if reasonably possible
 Skin contact – wipe with soft cotton cloth, clean with commercial hand cleaner
 Inhalation – obtain medical attention
 Ingestion – obtain medical attention (do not induce vomiting)
 Notes to physician – medical personnel may decide to leave in place to minimize physical damage

FIRE MEASURES

Flammability – may combust at high temperature
 Flash point – not available, may evaporate or flash above 350° F
 Products of combustion – CO, CO₂
 Unusual hazards – depolymerization may occur at high temperature to produce flammable vapors.

Fire fighting measures – small fire, use dry chemical powder. Cool product to reduce possibility of flammable vapors
 Protective clothing – SCBA and heat resistant clothing

ACCIDENTAL RELEASE

Personnel precautions – keep unnecessary personnel away, contact fire fighting authorities. Treat as an oil, keep isolated, not soluble in water.
 Clean up – mineral spirits and physical wiping, mild heat

HANDLING AND STORAGE

Handling – properly dispose of empty containers as an oil based product. Avoid heat over 100° F as product will soften. Wash hands after handling. Do not eat, bite or chew. Keep away from children.
 Storage - store in dry conditions under 100° F. Avoid areas where combustion occurs. Do not cut, grind or saw packages. Dispose responsibly.

EXPOSURE CONTROL

Occupational exposure limits – none assigned
 Control methods – store properly, use as directed
 Hygiene – use as directed, wash hands after handling
 Personal protection – N/A

PHYSICAL AND CHEMICAL PROPERTIES

Normal state	soft waxy semi-solid
Ph	N/A
Odor	none
Odor threshold	N/A
Color	opaque white
Boiling point	N/A
Melting point	160° F
Pour point	180° F
Specific gravity	approx. .905
Vapor pressure	N/A
Vapor density	N/A
Solubility	insoluble in water
Viscosity	over 20K SUS at room temperature

STABILITY

- Stability** – stable under recommended storage conditions
- Conditions to avoid** – keep away from sources of ignition or temperature in excess of 100° F. Depolymerization may occur at 400° F or higher.
- Incompatible agents** – strong oxidizers, acidic compounds at higher temperatures
- Hazardous products** – products of combustion CO, CO₂
- Hazardous polymerization** – should not occur

TOXICOLOGICAL INFORMATION

- Acute toxicology** – based upon reports of raw material suppliers, similar materials were non-toxic when applied in acute oral and dermal testing on laboratory animals. May be a slight skin irritant in susceptible individuals based on tests on rabbits.
- Chronic toxicity** –
 - Carcinogenic effects** – no component of raw materials is identified as carcinogenic under ACGIH
 - Reproductive effects** – raw material suppliers represent the components are non-toxic to female or male reproductive systems
 - Teratogenic effects** – none classified, based on reports of raw material suppliers

ECOLOGICAL INFORMATION

- Ecotoxicity** – material has not been tested for ecological effects
- Degradability** – slow degradability, enhanced by heat
- Mobility** – although not tested, product is unlikely to move rapidly in surface or ground water due to its insolubility in water
- Bioaccumulability** – not tested
- Other** – raw material suppliers report the component compounds are unlikely to migrate due to insolubility and are not likely to affect microbial activity

DISPOSAL

Dispose in accordance with federal, state and local environmental regulations as if this product was an oil based compound. Keep away from fire, do not incinerate empty containers. Store away from heat.

TRANSPORT

DOT, TDG, IMDG, IATA

UN number of components – UN3257 and class not regulated
Proper shipping name – elevated temperature, isobutylene components
Class – A
Packing group – III
Label – not determined

NON BULK SHIPMENT

When shipped at temperatures less than 225° F components of this product are not regulated for transport.

REGULATORY INFORMATION

Not determined

OTHER

This product does not require hazard warning label based upon reports of raw material suppliers.

DATE OF ISSUE

11/7/2005

