

SAFETY DATA SHEET

Date Prepared : 11/29/2017
MSDS No : GG29000S
Date Revised : 11/29/2017
Revision No : 6

MIRACLE Gun 'N Go Adhesive

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MIRACLE Gun 'N Go Adhesive

MANUFACTURER

ITW Polymers Sealants North America
56 Air Station Industrial Park
Rockland, MA 02370

Product Stewardship: (781) 878-7015

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300

COMMENTS: MIRACLE is a registered trademark of Illinois Tool Works, Inc.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Target Organ Toxicity (Repeated exposure), Category 2

GHS LABEL



Health
hazard

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H373: May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENT(S)

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

Response:

P314: Get medical advice/attention if you feel unwell.

Disposal:

P501: Dispose of contents/container according to local, regional, national, and international regulations.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: WARNING! Contains crystalline silica (quartz). Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans.

POTENTIAL HEALTH EFFECTS

EYES: Mildly irritating to the eyes.

SKIN: Not likely to be absorbed in toxic amounts. Prolonged exposure may cause skin irritation. Avoid skin contact as much as possible.

SKIN ABSORPTION: None Expected.

SAFETY DATA SHEET

Date Prepared : 11/29/2017

MSDS No : GG29000S

Date Revised : 11/29/2017

Revision No : 6

MIRACLE Gun 'N Go Adhesive

INGESTION: This material may be harmful or fatal if swallowed in large quantities. Small amounts are not expected to produce adverse health effects.

INHALATION: Slight irritation to nose and throat with prolonged or repeated exposure.

CARCINOGENICITY: IARC has concluded that "crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group I)."

ROUTES OF ENTRY: Eye and skin contact. Inhalation and ingestion are unlikely routes of entry.

IRRITANCY: Slight eye and skin irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt. % | CAS |
|---------------------|-------|------------|
| Ethylene Glycol | 1 - 5 | 107-21-1 |
| Stoddard Solvent | 1 - 5 | 8052-41-3 |
| Silica, Crystalline | < 0.5 | 14808-60-7 |
| Ammonia | < 0.5 | 7664-41-7 |

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Get immediate medical attention.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Small amounts are not expected to produce adverse health effects. Larger amounts should be recovered by aspiration. Get medical attention.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Slight irritation.

SKIN: Slight skin irritation.

SKIN ABSORPTION: None Expected.

INGESTION: None known, not likely route of entry.

INHALATION: Materials are low in volatility therefore not likely to pose a problem.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IIIB

GENERAL HAZARD: Combustible Liquid.

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical or foam.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide, Carbon Dioxide

EXPLOSION HAZARDS: Decomposition products may cause a health hazard.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear. After water evaporates, remaining material will

SAFETY DATA SHEET

Date Prepared : 11/29/2017

MSDS No : GG29000S

Date Revised : 11/29/2017

Revision No : 6

MIRACLE Gun 'N Go Adhesive

burn.

SENSITIVE TO STATIC DISCHARGE: Not Applicable

SENSITIVITY TO IMPACT: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes, smoke, carbon monoxide and carbon dioxide may form when heated to decomposition.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the appropriate personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Know and prepare for spill response before using or handling this product. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled containers for disposal. Use appropriate PPE. Place absorbent diking materials in covered containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation).

HANDLING: Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

STORAGE: Keep container closed when not in use. Store in a dry, well ventilated area, out of the sun and away from ignition sources. Do not remove or deface label. Prevent water or moist air from entering container.

STORAGE TEMPERATURE: 15.5°C (60°F) Minimum to 35°C (95°F) Maximum

SHELF LIFE: 6 months from manufacture date

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SAFETY DATA SHEET

Date Prepared : 11/29/2017
MSDS No : GG29000S
Date Revised : 11/29/2017
Revision No : 6

MIRACLE Gun 'N Go Adhesive

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | |
|---|-----------|------|------------|------------------------|
| EXPOSURE LIMITS | | | | |
| Chemical Name | Type | | ppm | mg/m ³ |
| Ethylene Glycol | OSHA PEL | TWA | NL [1] | NL [1] |
| | | STEL | NL [1] | NL [1] |
| | ACGIH TLV | TWA | NL [1] | NL [1] |
| | | STEL | 100-C [2] | NL [2] |
| Stoddard Solvent | OSHA PEL | TWA | 500 ppm | 2900 mg/m ³ |
| | | STEL | NL [1] | NL [1] |
| | ACGIH TLV | TWA | 100 ppm | 525 mg/m ³ |
| | | STEL | NL [1] | NL [1] |
| Silica, Crystalline | OSHA PEL | TWA | NL | 0.1 mg/m ³ |
| | | STEL | NL [1] | NL [1] |
| | ACGIH TLV | TWA | NL | 0.05 mg/m ³ |
| | | STEL | NL [1] | NL [1] |
| Ammonia | OSHA PEL | TWA | 50 ppm [3] | NL [3] |
| | | STEL | NL [1] | NL [1] |
| | ACGIH TLV | TWA | 25 ppm | NL |
| | | STEL | 35 ppm | NL |

Footnotes:

1. NL = Not Listed
2. C = Ceiling
3. OSHA limits per 29 CFR 1910.1000 Table Z-1 & Z-2

ENGINEERING CONTROLS: Natural ventilation should be adequate under normal conditions.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields. A face shield may be necessary if spraying the product.

SKIN: Wear impervious gloves, if needed, to prevent repeated or prolonged skin contact.

RESPIRATORY: No respiratory protection required under normal conditions.

WORK HYGIENIC PRACTICES: Use good hygiene practices when handling this material. Wash hands thoroughly after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR THRESHOLD: Not Determined

COLOR: Tan

SAFETY DATA SHEET

Date Prepared : 11/29/2017
MSDS No : GG29000S
Date Revised : 11/29/2017
Revision No : 6

MIRACLE Gun 'N Go Adhesive

pH: Not Determined

PERCENT VOLATILE: 24.9

Notes: by weight

FLASHPOINT AND METHOD: Not Applicable

FLAMMABLE LIMITS: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: Not Determined

BOILING POINT: $\geq 100^{\circ}\text{C}$ (212°F)

FREEZING POINT: Not Determined

MELTING POINT: Not Determined

POUR POINT: Not Determined

SOLUBILITY IN WATER: Soluble

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Determined

EVAPORATION RATE: < 1.0 (n-Butyl Acetate=1)

DENSITY: 11.17 lbs/gal

PARTICLE SIZE: Not Determined

SPECIFIC GRAVITY: 1.339

VISCOSITY: Not Determined

MOLECULAR WEIGHT: Not Determined

(VOC): 44.8 gr/L EPA Method 24 VOC

Notes: Photochemically Reactive Only VOC: 31.3 gr/L

OXIDIZING PROPERTIES: Not Determined

COMMENTS: 0 lb VHAP/lb Solid
0% by weight HAP

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

STABILITY: Stable.

CONDITIONS TO AVOID: None known.

POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide may form when heated to decomposition.

INCOMPATIBLE MATERIALS: Strong acids or alkaline materials.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

SAFETY DATA SHEET

Date Prepared : 11/29/2017
 MSDS No : GG29000S
 Date Revised : 11/29/2017
 Revision No : 6

MIRACLE Gun 'N Go Adhesive

| Chemical Name | ORAL LD ₅₀ (rat) | DERMAL LD ₅₀ (rabbit) | INHALATION LC ₅₀ (rat) |
|---------------------|-----------------------------|----------------------------------|-----------------------------------|
| Ethylene Glycol | 6140 mg/kg | 10600 mg/kg | No data |
| Stoddard Solvent | 5000 mg/kg | 3000 mg/kg | No data |
| Silica, Crystalline | No data | No data | No data |
| Ammonia | 350 mg/kg | No data | 7338 ppm (1-hr dose) |

SERIOUS EYE DAMAGE/IRRITATION: Slight eyes and skin irritation.

CARCINOGENICITY

| Chemical Name | NTP Status | IARC Status |
|---------------------|------------|-------------|
| Silica, Crystalline | 1 | 1 |

IARC: IARC has concluded that "crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group I)."

NOTES: This product contains silica quartz, a chemical known to the State of California to cause cancer.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This product contains components that will normally float on water. These components may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

ECOTOXICOLOGICAL INFORMATION: Contains components that are potentially toxic to freshwater and saltwater ecosystems.

BIOACCUMULATION/ACCUMULATION: Contains components with the potential to bio-accumulate.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated

MARINE POLLUTANT #1: None

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No

EPCRA SECTION 313 SUPPLIER NOTIFICATION

| Chemical Name | Wt.% | CAS |
|-----------------|-------|----------|
| Ethylene Glycol | 1 - 5 | 107-21-1 |

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

SAFETY DATA SHEET

Date Prepared : 11/29/2017

MSDS No : GG29000S

Date Revised : 11/29/2017

Revision No : 6

MIRACLE Gun 'N Go Adhesive

| Chemical Name | Wt. % | CERCLA RQ |
|-----------------|-------|-----------|
| Ethylene Glycol | 1 - 5 | 5,000 |
| Ammonia | < 0.5 | 100 lbs. |

TSCA (TOXIC SUBSTANCE CONTROL ACT)

| Chemical Name | CAS |
|---------------------|------------|
| Ethylene Glycol | 107-21-1 |
| Stoddard Solvent | 8052-41-3 |
| Silica, Crystalline | 14808-60-7 |
| Ammonia | 7664-41-7 |

CLEAN AIR ACT

| Chemical Name | Wt. % | CAS |
|---------------|-------|-----------|
| Ammonia | < 0.5 | 7664-41-7 |

STATES WITH SPECIAL REQUIREMENTS

| Chemical Name | Requirements |
|---------------------|--|
| Ethylene Glycol | New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Toxic Use Reduction Act (TURA) Reportable Chemical |
| Stoddard Solvent | New Jersey Right to Know List Pennsylvania Right to Know List |
| Silica, Crystalline | New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Toxic Use Reduction Act (TURA) Reportable Chemical |

CALIFORNIA PROPOSITION 65: This product contains silica, quartz, a chemical known to the state of California to cause cancer.

| Chemical Name | Wt. % | Listed |
|---------------------|-------|--------|
| Silica, Crystalline | < 0.5 | Cancer |

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

16. OTHER INFORMATION

Date Revised: 11/29/2017

SAFETY DATA SHEET

Date Prepared : 11/29/2017
MSDS No : GG29000S
Date Revised : 11/29/2017
Revision No : 6

MIRACLE Gun 'N Go Adhesive

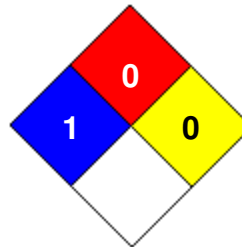
INFORMATION CONTACT: (781) 878-7015

REVISION SUMMARY: This MSDS replaces the 06/02/2015 MSDS. Revised: **Section 1:** Date Issued.

HMIS RATING

| | | |
|----------------------------|--------------------------|----------|
| HEALTH | <input type="checkbox"/> | 1 |
| FLAMMABILITY | | 0 |
| PHYSICAL HAZARD | | 0 |
| PERSONAL PROTECTION | | B |

NFPA CODES



GENERAL STATEMENTS: Keep out of reach of children
 For professional or industrial use only

MANUFACTURER DISCLAIMER: This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.

To the best of our knowledge, the information contained in this SDS is accurate. It is intended to assist the user in his/her evaluation of the product's hazards and safety precautions to be taken in its use. The data in this SDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of ITW Polymers Sealants North America. The data on this sheet relates only to the specific material designated herein. ITW Polymers Sealants North America assumes no legal responsibility for use or reliance upon these data.