**SAFETY DATA SHEET**

OSHA HCS (29 CFR 1910.1200)

# SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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| **Product identifier** | |  |
| Chemical Name | Mixture |
| CAS No. | Mixture |
| Trade Name | CORE SPRAY GLUE |
| Product Code | M-5575 |
| **Relevant identified uses of the substance or mixture and uses advised against** | | |
| Identified Use(s) | Adhesive Product |
| Uses Advised Against | None |
| Company Identification | Spray Products Corporation  P.O. Box 737  Norristown, PA 19404 |
| Telephone | (610) 277-1010 |
| Fax | (610) 277-4390 |
| E-Mail (competent person) | [johnd@sprayproducts.com](mailto:johnd@sprayproducts.com) |
| **Emergency telephone number** | |  |
| Emergency Phone No. | **Transportation Emergency:** CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted) |

# SECTION 2: HAZARDS IDENTIFICATION

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| **Classification of the substance or mixture** | | |
| OSHA HCS (29 CFR 1910.1200) | Flam. Aerosol 1; Liquefied gas; Eye Irrit. 2; Skin Irrit. 2; Repr. 2; STOT SE 3; STOT RE 2; Asp. Tox. 1 |
| **Label elements** | | |
| Hazard Symbol | FlammeGas Under PressureSilhouet Exclam |
| Signal word(s) | **DANGER** |
| Hazard Statement(s) | Extremely flammable aerosol.  Contains gas under pressure; may explode if heated.  Causes serious eye irritation.  Causes skin irritation.  Suspected of damaging fertility or the unborn child.  May cause damage to organs through prolonged or repeated exposure: Central Nervous System, Route: Inhalation  May cause drowsiness or dizziness.  May be fatal if swallowed and enters airways. |
| Precautionary Statement(s) | Obtain special instructions before use.  Do not handle until all safety precautions have been read and understood.  Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  Do not spray on an open flame or other ignition source.  Do not pierce or burn, even after use.  Avoid breathing spray.  Wear protective gloves/eye protection.  Wash hands and exposed skin after use.  Use only outdoors or in a well-ventilated area.  Protect from sunlight and do not expose to temperatures exceeding 50 ºC/122 ºF. |
| **Other hazards** | | None |

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  | | --- | --- | --- | --- | | Hazardous Ingredient(s) | % wt. \* | CAS No. | Hazard classification | | n-Hexane | 25 - 30 | 110-54-3 | Flam. Liq. 2; H225  Asp. Tox. 1; H304  Repr. 2; H361  Skin Irrit. 2; H315  STOT SE 3; H336  STOT RE 2; H373 | | Acetone | 25 - 30 | 67-64-1 | Flam. Liq. 2; H225  Eye Irrit. 2; H319  STOT SE 3; H336 | | Propane | 20 - 30 | 74-98-6 | Flam. Gas 1; H220  Liquefied gas; H280 | |
| **Additional Information -** None |
| \* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200. |

# SECTION 4: FIRST AID MEASURES

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| **Description of first aid measures** | |  | |
| Inhalation | | Remove person to fresh air and keep comfortable for breathing. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention. |
| Skin Contact | | Wash affected skin with soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse. |
| Eye Contact | | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation develops or persists. |
| Ingestion | | Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention immediately. |
| **Most important symptoms and effects, both acute and delayed** | | | Aspiration of droplets may cause pulmonary oedema. |
| **Indication of any immediate medical attention and special treatment needed** | | | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |

# SECTION 5: FIRE-FIGHTING MEASURES

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| **Extinguishing Media** |  | |
| -Suitable Extinguishing Media | | Extinguish with carbon dioxide, dry chemical, foam or water spray. | |
| -Unsuitable Extinguishing Media | | Do not use water jet. | |
| **Special hazards arising from the substance or mixture** | | Highly flammable vapor (flash point below 23°C). | |
| **Advice for fire-fighters** | | A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire. | |

# SECTION 6: ACCIDENTAL RELEASE MEASURES

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| **Personal precautions, protective equipment and emergency procedures** | Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Avoid breathing spray. Wear protective gloves/eye protection. |
| **Environmental precautions** | Prevent liquid entering sewers, basements and work pits. |
| **Methods and material for containment and cleaning up** | Cover spills with inert absorbent material. Transfer to a container for disposal or recovery. |
| **Reference to other sections** | None |
| **Additional Information** | None |

# SECTION 7: HANDLING AND STORAGE

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| **Precautions for safe handling** | Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only. Avoid breathing spray. | |
| **Conditions for safe storage, including any incompatibilities** | |  |
| -Storage temperature | Keep in a cool, well ventilated place. Protect from sunlight. Store at temperatures not exceeding 50 °C / 122 °F. Keep container tightly closed. | |
| -Incompatible materials | This product should be stored away from sources of strong heat and oxidizing chemicals. Also avoid: acids, bases, reducing agents, peroxides, amines, ammonia, chlorine and halogens. | |
| **Specific end use(s)** | Adhesive Product | |

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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| **Occupational Exposure Limits** | | |  | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **SUBSTANCE.** | **CAS No.** | **(8hr TWA)** | | **(STEL)** | | **Note:** | | **PEL**  **(OSHA)** | **TLV**  **(ACGIH)** | **PEL**  **(OSHA)** | **TLV (ACGIH)** | | Hexane | 110-54-3 | 500 ppm | 50 ppm\* | ----- | ----- | \*Skin | | Acetone | 67-64-1 | 1000 | 500 | ------ | 750 | ^NIC | | Propane | 74-98-6 | 1000 ppm | Aspyx.# | ----- | ----- | # |   ^NIC = Notice of Intended Changes (ACGIH®); **#**Assure minimum oxygen content of work atmosphere. | | | | |
| **Recommended monitoring method** | | NIOSH 1500 (hydrocarbons, B.P. 36 - 126 ºC); NIOSH 1300 (Ketones I). | | |
| **Exposure controls** | | | |  |
| Appropriate engineering controls | | | | Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. |
| **Personal protection equipment** | | | |  |
|  | Eye/face protection  1-EYES | | | Wear protective eyewear (goggles, face shield, or safety glasses). |
|  | Skin protection (Hand protection/ Other)  1-GLOVES | | | Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data. |
|  | Respiratory protection  1-GASMASK | | | Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data. |
|  | Thermal hazards | | | Not normally required. Use gloves with insulation for thermal protection, when needed. |
| Environmental Exposure Controls | | | | None known |

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| **Information on basic physical and chemical properties** | |
| Appearance | Aerosol spray |
| Color. | Colorless |
| Odor | Not available |
| Odor Threshold (ppm) | Not available |
| pH (Value) | Not available |
| Melting Point (°C) / Freezing Point (°C) | Not available |
| Boiling point/boiling range (°C): | Not available |
| Flash Point (°C) | -104 (Propane) |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Extremely flammable aerosol. |
| Explosive Limit Ranges | 2.1% - 9.5% v/v (Propane) |
| Vapor pressure (Pascal) | ca. 95 x 104 (Propane) |
| Vapor Density (Air=1) | ca. 1.56 @ 0ºC (Propane) |
| Density (g/ml) | Not available |
| Solubility (Water) | Not available |
| Solubility (Other) | Not available |
| Partition Coefficient (n-Octanol/water) | Not available |
| Auto Ignition Point (°C) | 450 (Propane) |
| Decomposition Temperature (°C) | Not available |
| Kinematic Viscosity cSt | <20.5 @ 40°C |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |
| **Other information** | Not available |

# SECTION 10: STABILITY AND REACTIVITY

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| **Reactivity** | Stable under normal conditions. |
| **Chemical stability** | Stable. |
| Possibility of hazardous reactions | None anticipated. |
| **Conditions to avoid** | Avoid contact with heat and ignition sources. |
| **Incompatible materials** | This product should be stored away from sources of strong heat and oxidizing chemicals. Also avoid: acids, bases, reducing agents, peroxides, amines, ammonia, chlorine and halogens. |
| **Hazardous decomposition product(s)** | Forms carbon oxides under fire conditions. |

# SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation**,** Skin Contact**,** Eye Contact

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| **Information on toxicological effects** | |
| n-Hexane (CAS No. 110-54-3): | |
| **Acute toxicity** | Oral: LD50 ≈16 g/kg-bw (May be fatal if swallowed and enters airways.)  Dermal: LD50 >2 g/kg-bw. rabbit  Inhalation: LC50 > 17600 mg/m3 (Vapor), 24-hr. rat (May cause drowsiness or dizziness.) |
| **Irritation/Corrosivity** | Causes skin irritation. Repeated exposure may cause skin dryness or cracking. |
| **Sensitization** | It is not a skin sensitizer. |
| **Repeated dose toxicity** | LOAEL: 37973 mg/kg (101 days, oral, rat, CNS effects)  NOAEL: 1135 mg/kg (101 days, oral, rat, CNS effects)  NOAEC: 1760 mg/m3 (90 day, inhal., female mice, nasal lesions)  LOAEC: 3000 ppm (12 hr a day for 16 weeks, inhal., rat, CNS effects |
| **Carcinogenicity** (By analogy with similar materials) | NOEL: 31736 mg/m3 (2 years, inhal. Oncogenic effects) |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **NTP** | **IARC** | **ACGIH** | **OSHA** | **NIOSH** | | No. | No. | No. | No. | No. | | |
| **Mutagenicity** | There is no evidence of mutagenic potential. |
| **Reproductive toxicity** | Studies in animals have shown that repeated exposures produce adverse reproductive effects. |
| Acetone (CAS No. 67-64-1): | |
| **Acute toxicity** | Oral LD50 = 5800 mg/kg (rat)  Dermal LD50 >15800 mg/kg (rabbit)  Inhalation LC50 76 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness. |
| **Irritation / Corrosivity** | Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking. |
| **Sensitisation** | It is not a skin sensitiser. |
| **Repeated dose toxicity** | Oral NOAEL = 900 mg/kg/day (rat) (90-days)  Inhalation NOAEL > 19,000 ppm (rat) |
| **Carcinogenicity** | It is unlikely to present a carcinogenic hazard to man. |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **NTP** | **IARC** | **ACGIH** | **OSHA** | **NIOSH** | | No. | No. | No. | No. | No. | | |
| **Mutagenicity** | Negative |
| **Toxicity for reproduction** | Negative |
| Other information | None known. |

# SECTION 12: ECOLOGICAL INFORMATION

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| Ecotoxicity |  |
| n-Hexane (CAS# 110-54-3): | |
| Short term | LC50 (96 hour): >1000 µg/L (*Oryzias latipes*)  LC50 (48 hour): 45 mmol/m3 (*Daphnia magna,* mortality*)*  EC50 (96 hour): 2.66% (*C. pyreniodosa*) |
| Long Term | NOELR (28 days) 2.8 mg/l *(Fish*) QSAR  NOELR (21 days): 4.88 mg/l (*Daphnia magna*) QSAR  NOEL (96 hour) 2.077 mg/l (Algae) QSAR |
| Acetone (CAS No. 67-64-1): | |
| Short term | LC50 (96 hour): 5,540 mg/l (Rainbow Trout (*Oncorhynchus mykiss*))  LC50 (96 hour): 8,300 mg/l (Bluegill Sunfish (*Lepomis macrochirus*))  LC50 (48 hour(s)): 12,600 – 12,700 mg/l *(Daphnia magna)*  EC50 (14 d): 3,020 mg/l (Algae (*Chlorella pyrenoidosa*)  EC50 (15 min): 14,500 mg/l (Bacteria (*Photobacterium phosphoreum*) |
| Long Term | Not available. |
| Persistence and degradability | Readily biodegradable. |
| Bioaccumulative potential | Not available. |
| Mobility in soil | Not available. |
| Results of PBT and vPvB assessment | Not available. |
| Other adverse effects | None known. |

# SECTION 13: DISPOSAL CONSIDERATIONS

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| Waste treatment methods | Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice. |

# SECTION 14: TRANSPORT INFORMATION

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|  | **U.S. DOT** | **Sea transport**  **(IMDG)** | **Air transport (ICAO/IATA)** |
| **UN number** | 1950 | 1950 | 1950 |
| **Proper Shipping Name** | Aerosols, flammable | Aerosols, flammable | Aerosols, flammable |
| **Transport hazard class(es)** | 2.1 | 2.1 | 2.1 |
| **Packing group** | Not applicable | Not applicable | Not applicable |
| **Environmental hazards** | None assigned | None assigned | None assigned |
| **Special precautions for user** | None assigned | None assigned | None assigned |
| **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable | | | |

# SECTION 15: REGULATORY INFORMATION

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Safety, health and environmental regulations/legislation specific for the substance or mixture:** | | | | | | | | | | | | | |
| **TSCA (Toxic Substance Control Act) -** Inventory Status**:** All components listed or polymer exempt. | | | | | | | | | | | | | |
| **Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4)**: | | | | | | | | | | | | | |
|  | | | **Chemical Name** | **CAS No.** | | | **Typical %wt.** | | | | **RQ (Pounds)** | | |
|  | | | n-Hexane | 110-54-3 | | | ~28 | | | | 5000 | | |
|  | | | Acetone | 67-64-1 | | | ~27 | | | | 5000 | | |
| **SARA 311/312 - Hazard Categories:** | | | | | | | | | | | | | |
|  | Fire  Sudden Release   Reactivity   Immediate (acute)  Chronic (delayed) | | | | | | | | | | | | |
| **SARA 313 - Toxic Chemicals (40 CFR 372):** | | | | | | | | | | | | | |
| **Chemical Name** | | | | | **CAS No.** | | | | | **Typical %wt.** |
| n-Hexane | | | | | 110-54-3 | | | | | ~28 |
| **SARA 302 - Extremely Hazardous Substances(40 CFR 355):** | | | | | | | | | | | | | |
|  | | | **Chemical Name** | | | **CAS No.** | | | | **Typical %wt.** | | **TPQ (pounds)** | |
|  | | | None | | | ---- | | | | ---- | | ---- | |
| **California Proposition 65 List:** | | | | | | | | | | | | | |
|  | | **Chemical Name** | | | **CAS No.** | | | | **Type of Toxicity** | | | | |
|  | | Benzene\* | | | 71-43-2 | | | | Cancer; Developmental | | | | |
|  | | Methanol\* | | | 67-56-1 | | | | Developmental | | | | |
|  | | \*Trace to none | | |  | | | |  | | | | |

# SECTION 16: OTHER INFORMATION

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| **The following sections contain revisions or new statements:** 1-16.  **Date of preparation:** March 7, 2015 |
| **Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:**  **Hazard Statement(s)**  - H220: Extremely flammable gas.  - H222: Extremely flammable aerosol.  - H225: Highly flammable liquid and vapor.  - H280: Contains gas under pressure; may explode if heated.  - H304: May be fatal if swallowed and enters airways.  - H315: Causes skin irritation.  - H319: Causes serious eye irritation.  - H336: May cause drowsiness or dizziness.  - H361: Suspected of damaging fertility or the unborn child.  - H373: May cause damage to organs through prolonged or repeated exposure. |
| **Training advice:** None. |

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