

SAFETY DATA SHEETS

This SDS packet was issued with item:

070935379

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

070935205 070935213 070935221 070935288 070935296 070935304 071096874



MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PRODUCT

PRODUCT NAME: **PATTERSON DIE SPACERS AND DIE SPACER THINNER**
APPLICATION: MIXTURE OF FILM-FORMING BUTYRATE AND CELLULOSIC RESINS, PIGMENTS AND RESIN SOLVENTS. RESIN SOLVENTS INCLUDE ALKYL KETONES, ALKYL ESTERS, AROMATICS AND ALCOHOLS, USED FOR CONTROLLED ADJUSTMENT OF DIE RELIEF.

PATTERSON PRODUCT CODE: 070935379, 070935221, 070935213, 070935205, 070935304, 070935296, 070935288

EMERGENCY CONTACT: 24-HOUR EMERGENCY RESPONSE NUMBER: (800) 424-9300.

SECTION 2: HAZARDS IDENTIFICATION (CLASSIFICATION)

FLAMMABLE LIQUID.

DOT CLASSIFICATION (> 1 LITER): PAINT/PAINT RELATED MATERIAL, UN 1263, CLASS 3, PG II.

SECTION 2A: PHYSICAL HAZARDS; N/A

SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: 130 PPM (CALCULATED AS EVAPORATED SOLVENTS)

SKIN: PROLONGED CONTACT MAY CAUSE MILD IRRITATION.

EYES: CONTACT WITH VAPOR OR LIQUID WILL CAUSE IRRITATION, REDNESS AND TEARING.

INHALATION: OVEREXPOSURE TO VAPORS IN AREA OF POOR VENTILATION MAY CAUSE DIZZINESS, NAUSEA, HEADACHE AND IRRITATION TO RESPIRATORY TRACT. ALLERGIC OR SENSITIVE PERSONS MAY EXPERIENCE ASTHMA-LIKE SYMPTOMS.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, DIZZINESS AND FATIGUE.

CARCINOGENICITY: NO INGREDIENT IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC, OR OSHA.

SECTION 3: COMPOSITION /INGREDIENTS

MIXTURE: ☐ Yes ☐ No

MODERATELY VOLATILE BLEND OF RESIN SOLVENTS INCLUDING KETONES, ALKYL ESTERS, AROMATICS AND ALCOHOLS, PIGMENTS, BUTYRATE & CELLULOSIC RESINS.

SECTION 4: FIRST AID MEASURES

SKIN: WASH WELL WITH SOAP AND WATER. IF IRRITATION DEVELOPS GET MEDICAL ATTENTION.

EYES: FLUSH WELL WITH COOL WATER FOR 15 MINUTES. IF IRRITATION PERSISTS OR WORSENS GET MEDICAL ATTENTION.

INHALATION: IF AFFECTED, REMOVE TO FRESH AIR IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. GIVE WATER TO DRINK AND GET MEDICAL ATTENTION.

SECTION 5: FIREFIGHTING MEASURES

FLASH POINT: 25°F. (TCC)

FLAMMABLE LIMITS: LEL=2%

FIRE EXTINGUISHING MEDIA: CARBON DIOXIDE OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: NONE FOR LAB QUANTITIES

UNUSUAL FIRE AND EXPLOSION HAZARD: CLOSED BOTTLES MAY RUPTURE IF EXPOSED TO EXTREME HEAT

SECTION 6: ACCIDENTAL RELEASE MEASURES

PRECAUTIONS: N/A

PROCEDURES: SHUT NEARBY SOURCES OF HEAT OR FLAME. VENTILATE THE AREA. WIPE UP WITH ABSORBANT CLOTHS OR TOWELING. DIE SPACER MAY BE CLEANED UP WITH THINNER OR ACETONE.

SECTION 7: HANDLING AND STORAGE (LAB QUANTITIES)

KEEP CONTAINERS WELL CLOSED STORE IN COOL, DRY, WELL VENTILATED AREA. FOR LABORATORY OR OFFICE USE ONLY. KEEP OUT OF REACH OF CHILDREN. AVOID HEAT AND DIRECT SUNLIGHT. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED AS WELL AS PRECAUTIONS RELATED TO FLAMMABLE MATERIALS.

SECTION 8: EXPOSURE CONTROLS (PERSONAL PROTECTION)

VENTILATION: MECHANICAL (GENERAL) ACCEPTABLE IF SUFFICIENT TO KEEP LEVELS BELOW TLV.

SKIN: RUBBER OR PLASTIC GLOVES IF CHAPPING OCCURS.

EYES: SAFETY GLASSES OR SPLASH GOGGLES DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE REQUIRED IN NORMAL USE.

OTHER: EYE WASH STATION.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: VISCOUS LIQUID, APPROPRIATE COLOR, CHARACTERISTIC SOLVENT ODOR. THINNER IS THIN, CLEAR AND COLORLESS LIQUID, CHARACTERISTIC SHARP SOLVENT ODOR.

PH OF SOLUTION: N/A

MELTING POINT: °F: N/A

BOILING POINT: °F: 165-340 F. RANGE

SPECIFIC GRAVITY: (H₂O=1): 0.88

EVAPORATION RATE: (BUAC =1): GREATER THAN 1

VAPOR DENSITY: (AIR =1): GREATER THAN 1

PERCENTVOLATILE: APPROX. 85%

VAPOR PRESSURE: (MM HG): 34 AT 68°F

WATER SOLUBILITY: PARTIAL

SECTION 10: REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: FLAMES, SPARKS AND HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZING AGENTS, CAUSTICS AND STRONG ACIDS

HAZARDOUS DECOMPOSITION PRODUCTS: NO UNUSUAL DECOMPOSITION PRODUCTS. COMBUSTION WILL FORM CARBON AND NITROGEN OXIDES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

REACTIVITY WITH WATER: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

SKIN: PROLONGED CONTACT CAN CAUSE MILD IRRITATION.

EYES: CONTACT WITH VAPOR OR LIQUID WILL CAUSE IRRITATION, REDNESS AND TEARING.

INHALATION: OVEREXPOSURE TO VAPORS IN AREA OF POOR VENTILATION MAY CAUSE DIZZINESS, NAUSEA, HEADACHE AND IRRITATION TO RESPIRATORY TRACT. ALLERGIC OR SENSITIVE PERSONS MAY EXPERIENCE ASTHMA-LIKE SYMPTOMS.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, DIZZINESS AND FATIGUE.

CHRONIC EXPOSURE: OVEREXPOSURE TO VAPORS IN AREA OF POOR VENTILATION MAY CAUSE DIZZINESS, NAUSEA, HEADACHE AND IRRITATION TO RESPIRATORY TRACT.

SENSITIZER: NO HUMAN DATA REPORTED

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

TERATOGENICITY: N/A

EMBRYOTOXICITY: N/A

MUTAGENICITY: N/A

PRE-EXISTING CONDITIONS: N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXITY: NOT ESTABLISHED FOR THIS MIXTURE.

DEGRADABILITY: UNKNOWN. EXPECTED TO BE LOW.

BIOACCUMULATION: NOT EXPECTED TO BIG-ACCUMULATE.

MOBILITY IN SOIL: EXPECTED TO BE LOW. VOLATILE COMPONENTS WILL EVAPORATE. RESIDUE IS INSOLUBLE IN WATER.

SECTION 13: DISPOSAL INFORMATION

INCINERATION IS BEST, OR DISCARD IN AN APPROVED METAL WASTE CAN. (INDUSTRIAL QUANTITIES). LAB QUANTITIES CAN BE DISCARDED IN REGULAR TRASH.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: PAINT/PAINT RELATED MATERIAL, UN 1263, CLASS 3, PG II.

SHIPPING NAME: PAINT/PAINT RELATED MATERIAL

CLASS: 3

PACKING GROUP: II

MARINE POLLUTANT: N/A

WARNING SYMBOL: NOT FOR LAB QUANTITIES.

OTHER: DOT CLASSIFICATION (> 1 LITER):

LESS THAN 1 LITER CAN SHIP AS ORM-D.

SECTION 15: REGULATORY INFORMATION

LABELING: FLAMMABLE.

NFPA RATINGS: HEALTH HAZARD: 1 FIRE & EXPLOSION: 0 REACTIVITY: 0 SPECIAL PROTECTION: A

NATIONAL REGULATIONS:

TSCA: ALL COMPONENTS ARE ON THE TSCA INVENTORY LIST.

SARA: SARA SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES: NONE LISTED.

SARA SECTION 313: N/A

INAPPLICABLE: NO COMPONENTS ARE SUBJECT TO TSCA SNUR LISTING.

FOREIGN REGULATIONS:

ALL COMPONENTS ARE ON THE EU EINECS INVENTORY LIST AND THE CANADIAN DSL.

SECTION 16: OTHER INFORMATION

LESS THAN 1 LITER SHIPS AS ORM-D.

Revision Date: 3/11/2014

The above information is believed to be accurate and represents information currently available to us. Reasonable care has been taken in the preparation of this document; however, all the properties of this product may not have been completely evaluated. Users should make their own investigations to determine the suitability of the information for their particular purposes. We make no warrantee of merchantability or any other warrantee, expressed or implied, with respect to such information, and we assume no liability resulting from its use or from improper use or handling of the product. "N/A" indicates that at the time of preparation of this SDS, this information may not have been available or is not applicable. As additional information becomes available, SDS will be updated.

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 05.18.2015

Page 1 of 7

Patterson Die Spacers and Die Spacer Thinner

SECTION 1: Identification of the substance/mixture and of the supplier

Product name: Patterson Die Spacers and Die Spacer Thinner

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number: Patterson Die Spacers and Die Spacer Thinner

Recommended uses of the product and restrictions on use: Controlled adjustment of die relief.

Manufacturer Details:

Patterson Companies, Inc.
1031 Mendota Heights Road
St. Paul, MN 55120

Supplier Details:

Patterson Companies, Inc.
1031 Mendota Heights Road
St. Paul, MN 55120

Emergency telephone number:

ChemTrec Inc
1-800-424-9300
703-527-3887 (CHEMTREC)

SECTION 2: Hazards identification

Classification of the substance or mixture:



Flammable

Flammable liquids, category 2



Irritant

Skin irritation, category 2
Eye irritation, category 2A

Skin corrosion/irritation - Category 2.

Eye Irritation - Category 2.

Flammable liquids - Category 2.

Signal word: Danger

Hazard statements:

Highly flammable liquid and vapour.
Causes skin irritation.
Causes serious eye irritation.

Precautionary statements:

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/light/equipment.
Keep container tightly closed.
Use only non-sparking tools.

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 05.18.2015

Page 2 of 7

Patterson Die Spacers and Die Spacer Thinner

Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash skin thoroughly after handling.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use agents recommended in section 5 for extinction.
Specific treatment (see supplemental first aid instructions on this label).
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If eye irritation persists get medical advice/attention.
Store in a well ventilated place. Keep cool.
Dispose of contents and container to an approved waste disposal plant.

Other Non-GHS Classification: None

SECTION 3: Composition/information on ingredients

Ingredients:

CAS N/A	Proprietary Mixture	100 %
Percentages are by weight		

SECTION 4: First aid measures

Description of first aid measures

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Get medical assistance if cough or other symptoms appear.

After skin contact:

Rinse/flush exposed skin gently using soap and water for 15-20 minutes. Seek medical advice if discomfort or irritation persists.

After eye contact:

Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

After swallowing:

Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if irritation, discomfort, or vomiting persists.

Most important symptoms and effects, both acute and delayed:

Irritation. Headache. Nausea. Shortness of breath.

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing agents:

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 05.18.2015

Page 3 of 7

Patterson Die Spacers and Die Spacer Thinner

Use dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

Unsuitable extinguishing agents:

Water jet may spread fire.

Special hazards arising from the substance or mixture:

None identified.

Advice for firefighters:

Protective equipment:

Wear protective eyewear, gloves, and clothing. Refer to Section 8. Use NIOSH-approved respiratory protection/breathing apparatus. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.

Additional information (precautions):

Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing. Combustion can release oxides of carbon and irritating gases.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Ensure that air-handling systems are operational. Use spark-proof tools and explosion-proof equipment. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Environmental precautions:

Should not be released into environment. Prevent from reaching drains, sewer, or waterway.

Methods and material for containment and cleaning up:

Always obey local regulations. Containerize for disposal. Refer to Section 13. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Keep in suitable closed containers for disposal.

Reference to other sections: None

SECTION 7: Handling and storage

Precautions for safe handling:

Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances. For dental use only. Keep container closed when not in use. Avoid heat and direct sunlight. Avoid storage near extreme heat, ignition sources or open flame.

Conditions for safe storage, including any incompatibilities:

Store in a cool location. Keep away from food and beverages. Provide ventilation for containers. Keep container tightly sealed.

SECTION 8: Exposure controls/personal protection



Control Parameters:

N/A, Proprietary solvent mixture, ACGIH TLV: 130 ppm (CALCULATED AS EVAPORATED SOLVENTS).

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 05.18.2015

Page 4 of 7

Patterson Die Spacers and Die Spacer Thinner

Appropriate Engineering controls:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.
Respiratory protection:	Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.
Protection of skin:	Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing.
Eye protection:	Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses or goggles are appropriate eye protection.
General hygienic measures:	Perform routine housekeeping. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Before wearing wash contaminated clothing.

SECTION 9: Physical and chemical properties

Appearance (physical state, color):	Clear, colorless, slightly viscous liquid. Characteristic sharp solvent odor.	Explosion limit lower: Explosion limit upper:	2.2% Not Determined
Odor:	Slight odor	Vapor pressure at 20°C:	34mmHg @ 68° F
Odor threshold:	Not Determined	Vapor density:	Greater than 1 (Air = 1)
pH-value:	Not Determined	Relative density:	Not Determined
Melting/Freezing point:	Not Determined	Solubilities:	Partial in water.
Boiling point/Boiling range:	165-340° F	Partition coefficient (n-octanol/water):	Not Determined
Flash point (closed cup):	25° F	Auto/Self-ignition temperature:	Not Determined
Evaporation rate:	Greater than 1	Decomposition temperature:	Not Determined
Flammability (solid, gaseous):	Flammable	Viscosity:	a. Kinematic: Not Determined b. Dynamic: Not Determined
Density at 20°C:	0.88 g/cm3		
Solubility in/miscibility with:	Partially soluble in toluene, petrol ether		
PERCENT VOLATILE:	APPROX. 85%		

SECTION 10: Stability and reactivity

Reactivity:

Nonreactive under normal conditions.

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 05.18.2015

Page 5 of 7

Patterson Die Spacers and Die Spacer Thinner

Chemical stability:

Stable under normal conditions.

Possible hazardous reactions:

None under normal processing.

Conditions to avoid:

Incompatible materials. Flames, heat, and sources of ignition.

Incompatible materials:

Strong acids, alkalies, and oxidizing agents.

Hazardous decomposition products:

Combustion will form oxides of carbon and nitrogen.

SECTION 11: Toxicological information

Acute Toxicity: No additional information.

Chronic Toxicity: No additional information.

Skin corrosion/irritation:

PROLONGED CONTACT CAN CAUSE DRYING, CHAPPING.

Serious eye damage/irritation:

CONTACT WITH VAPOR OR LIQUID WILL CAUSE IRRITATION, REDNESS AND TEARING.

Respiratory or skin sensitization: No additional information.

Carcinogenicity: See section 15.

Germ cell mutagenicity: No additional information.

Reproductive Toxicity: No additional information.

STOT-single and repeated exposure: No additional information.

Additional toxicological information: No additional information.

SECTION 12: Ecological information

Ecotoxicity: No additional information.

Persistence and degradability:

Not determined.

Bioaccumulative potential:

Not determined.

Mobility in soil:

EXPECTED TO BE LOW. VOLATILE COMPONENTS WILL EVAPORATE. RESIDUE IS INSOLUBLE IN WATER.

Other adverse effects:

None identified.

SECTION 13: Disposal considerations

Waste disposal recommendations:

Dispose of empty containers as unused product. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 05.18.2015

Page 6 of 7

Patterson Die Spacers and Die Spacer Thinner

accurate classification. Small quantities can be disposed of with household waste.

SECTION 14: Transport information

US DOT

UN Number:

ADR, ADN, DOT, IMDG, IATA

1263

Limited Quantity Exception:

None

Bulk:

RQ (if applicable): None

Proper shipping Name: PAINT/PAINT
RELATED MATERIAL.

Hazard Class: 3

Packing Group: II.

Marine Pollutant (if applicable): No
additional information.

Comments: None

Non Bulk:

RQ (if applicable): None

Proper shipping Name: PAINT/PAINT
RELATED MATERIAL.

Hazard Class: 3

Packing Group: II.

Marine Pollutant (if applicable): No
additional information.

Comments: None



SECTION 15: Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

Acute, Fire

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

RCRA (hazardous waste code):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 05.18.2015

Page 7 of 7

Patterson Die Spacers and Die Spacer Thinner

None of the ingredients are listed.

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

SECTION 16: Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

NFPA: 1-3-0

HMIS: 1-3-0

GHS Full Text Phrases: None

Abbreviations and Acronyms:

IMDG International Maritime Code for Dangerous Goods.
PNEC Predicted No-Effect Concentration (REACH).
CFR Code of Federal Regulations (USA).
SARA Superfund Amendments and Reauthorization Act (USA).
RCRA Resource Conservation and Recovery Act (USA).
TSCA Toxic Substances Control Act (USA).
NPRI National Pollutant Release Inventory (Canada).
DOT US Department of Transportation.
IATA International Air Transport Association.
GHS Globally Harmonized System of Classification and Labelling of Chemicals.
ACGIH American Conference of Governmental Industrial Hygienists.
CAS Chemical Abstracts Service (division of the American Chemical Society).
NFPA National Fire Protection Association (USA).
HMIS Hazardous Materials Identification System (USA).
WHMIS Workplace Hazardous Materials Information System (Canada).
DNEL Derived No-Effect Level (REACH).

Effective date: 05.18.2015

Last updated: 05.22.2015



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 1 of 9

Patterson Die Spacers And Die Spacer Thinner

SECTION 1: Identification

Product identifier

Product name: Patterson Die Spacers And Die Spacer Thinner

Product code: 070935379, 070935221, 070935213, 070935205,
070935304, 070935296, 070935288 071096874 070935379

Recommended use of the product and restriction on use

Relevant identified uses: Controlled adjustments of die relief

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

Supplier

Patterson Companies, Inc.
1031 Mendota Heights Road
St. Paul, MN 55120
1-800-328-5536 Fax:1-651-686-9331

Emergency telephone number:

United States

CHEMTREC

Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)

Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

SECTION 2: Hazard(s) identification

GHS classification:

Flammable liquids, category 2

Skin irritation, category 2

Eye irritation, category 2A

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapor

H315 Causes skin irritation

H319 Causes serious eye irritation

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 2 of 9

Patterson Die Spacers And Die Spacer Thinner

P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/light/equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P280 Wear protective gloves/protective clothing/eye protection/face protection
P264 Wash skin thoroughly after handling
P303+P361+P353 If on skin (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower
P370+P378 In case of fire: Use agents recommended in section 5 for extinction
P321 Specific treatment (see supplemental first aid instructions on this label).
P362 Take off contaminated clothing and wash before reuse
P302+P352 If on skin: Wash with soap and water
P332+P313 If skin irritation occurs: Get medical advice/attention
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
P403+P235 Store in a well ventilated place. Keep cool
P501 Dispose of contents and container as instructed in Section 13

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: N/A	Proprietary	100

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

After skin contact:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention
Take off all contaminated clothing
Gently blot or brush away excess product
Wash with plenty of lukewarm, gently flowing water
Get medical advice if skin irritation occurs or you feel unwell

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
Remove contact lenses, if present and easy to do so
Continue rinsing for 15-20 minutes

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 3 of 9

Patterson Die Spacers And Die Spacer Thinner

Get medical advice if eye irritation persists

After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Vapors can flow to distant ignition sources and flashback

Liquid is volatile and may generate an explosive atmosphere

May form corrosive mixtures with water

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Shut off sources of ignition

Carbon monoxide and carbon dioxide may form upon combustion

Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

Beware of vapors accumulating to form explosive concentrations

Vapors can accumulate in low areas

Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

Use spark-proof tools and explosion-proof equipment

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 4 of 9

Patterson Die Spacers And Die Spacer Thinner

binders)

Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Take precautionary measures against electrostatic discharges.

Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

No occupational exposure limits noted for the ingredient(s).

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Use explosion-proof ventilation equipment.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 5 of 9

Patterson Die Spacers And Die Spacer Thinner

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Clear, colorless, slightly viscous liquid. Characteristic sharp solvent odor.
Odor	Not determined or not available.
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	165-340 F
Flash point (closed cup)	25 F
Evaporation rate	Greater than 1
Flammability (solid, gas)	Flammable
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	2.2%
Vapor pressure	34 mmHg @ 68 F
Vapor density	Greater than 1 (Air = 1)
Density	0.88 g/cm ³
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

Percent Volatile	Approx. 85%
------------------	-------------

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 6 of 9

Patterson Die Spacers And Die Spacer Thinner

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Skin corrosion/irritation

Assessment: Causes skin irritation

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Causes serious eye irritation

Product data:

No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 7 of 9

Patterson Die Spacers And Die Spacer Thinner

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	UN1263
UN proper shipping name	PAINT/PAINT RELATED MATERIAL
UN transport hazard class(es)	3
Packing group	II
Environmental hazards	None
Special precautions for user	None



International Maritime Dangerous Goods (IMDG)


Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200


Initial preparation date: 11.28.2017

Page 8 of 9

Patterson Die Spacers And Die Spacer Thinner

UN number	UN1263
UN proper shipping name	PAINT/PAINT RELATED MATERIAL
UN transport hazard class(es)	3 
Packing group	II
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	UN1263
UN proper shipping name	PAINT/PAINT RELATED MATERIAL
UN transport hazard class(es)	3 
Packing group	II
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA): Not determined.

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals: Not determined.

CERCLA: Not determined.

RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know: Not determined.

New Jersey Right to Know: Not determined.

New York Right to Know: Not determined.

Pennsylvania Right to Know: Not determined.

California Proposition 65: Not determined.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 1-3-0

HMIS: 1-3-0-0

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 9 of 9

Patterson Die Spacers And Die Spacer Thinner

Initial preparation date: 11.28.2017

End of Safety Data Sheet