

HDIP INC

SAFETY DATA SHEET

Endurable Vertical Stripper

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product name: Endurable Vertical Stripper

Product Use: Coatings Stripper

MSDS Prepared by: HDIP INC

Date prepared: 6-22-15

Supplier:

HDIP INC

20981 Yeoman Road

Bend, Oregon 97701

For emergency health, safety, and environmental information, call 800-910-3120

Section 2 – HAZARDOUS IDENTIFICATION

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2A

Specific Target Organ Toxicity (single exposure), Category 3

Toxic To Reproduction, Category 1B

Flammable Liquids, Category 4



Signal Word: Danger

Hazard Phrases:

Combustible liquid.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

May damage fertility or the unborn child.

Precaution phrases:

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.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wash skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

Response Phrases:

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical attention/advice.

Call a POISON CENTER or doctor/physician if you feel unwell.

If skin irritation occurs, get medical advice/attention.

If eye irritation persists, get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Storage and disposal phrases:

Store in cool/well-ventilated place.

Store locked up.

Dispose of contents/container to an approved waste disposal plant.

Potential Health Effects

(Acute and Chronic):

Chronic: Prolonged or repeated skin contact may cause dermatitis. Adverse reproductive effects have been reported in animals. Testicular effects in rats were noted after repeated, high-dose oral and inhalation exposures. (BASF) Human occupational exposure has been associated with chronic eye irritation, headaches, and irritant contact dermatitis. Airborne concentrations of 49 to 83 ppm are intolerable.

Inhalation:

Inhalation of material may be harmful.

Skin contact: Causes skin irritation. May be harmful if absorbed through the skin. Not expected to cause an allergic skin reaction. Because of the high permeability rate of N-methylpyrrolidone in human skin, prolonged exposures should be avoided.

Eye contact:

Can cause severe eye irritation

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Section 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name – Dimethyl Succinate	CAS – 106-65-0	55 – 60 %
Chemical Name – N-Methylpyrrolidone	CAS – 872-50-4	5 -- 20 %

Section 4 - FIRST-AID MEASURES

Inhalation: Move to fresh air.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. If eye irritation persists, seek medical attention.

Skin: Wash with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse.

Ingestion: Treat symptomatically. Do not induce vomiting. Get medical attention.

Section 5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flash Point: 103 deg C (217.40 deg F)

Autoignition Temperature: 365 deg C (689.00 deg F)

Explosion Limits, Lower:0.9 vol %

Upper: 7.9 vol %

NFPA Rating: (estimated) Health: 1; Flammability: 1; Instability: 0

Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Provide ventilation. Do not let this chemical enter the environment.

Section 7 - HANDLING AND STORAGE

Prevent all skin and eye contact. Avoid breathing vapors. Re-seal partially used containers. Wash with soap and water before eating or drinking. Protect from moisture contamination.

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Dimethyl succinate	none listed	none listed	none listed
N-Methyl Pyrrolidone	none listed	none listed	none listed

OSHA Vacated PELs: Dimethyl succinate: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear liquid

Appearance: colorless

Odor: None reported.

pH: Not available.
Vapor Pressure: 0.13 hPa @ 20 deg C
Vapor Density: 5.52
Evaporation Rate:Not available.
Viscosity: 2.5 cSt @ 25 deg C
Boiling Point: 210 - 215 deg C @ 760 mmHg
Freezing/Melting Point:-37 deg C
Decomposition Temperature:Not available.
Solubility: 53 g/L
Specific Gravity/Density:1.087
Molecular Formula:C7H12O4
Molecular Weight:160.17

Section 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, excess heat.
Incompatibilities with Other Materials: Oxidizing agents, reducing agents, acids, bases.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - TOXOLOGICAL INFORMATION

Toxicological Information:

Acute toxicity, LD50, Oral, Rat, 3914. MG/KG.

Results:

Behavioral: Food intake (animal).

Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

- Arzneimittel-Forschung. Drug Research. (Editio Cantor Verlag,, Vol/p/yr:
26,1581,
1976

Acute toxicity, LD50, Skin, Species: Rabbit, 8.000 GM/KG.

Results:

Gastrointestinal:Nausea or vomiting.

Behavioral: Muscle weakness.

- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National
Assoc. of

Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor,
Lehigh Univ.,

Bethlehem, PA 18015, Vol/p/yr: 1,84, 1974

Carcinogenicity/Other

Information:

CAS# 872-50-4 and CAS – 106-65-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - ECOLOGICAL INFORMATION

No data

Section 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 - TRANSPORT INFORMATION

Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation
Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation

Specific Target Organ Toxicity (single exposure), Category 3 - Warning! May cause

respiratory irritation, or may cause drowsiness and dizziness

Toxic To Reproduction, Category 1B - Danger! May damage fertility or the unborn child

Flammable Liquids, Category 4 - Warning! Combustible liquid

Land transport US:

DOT Proper Shipping Name: Combustible liquid, n.o.s.

UN/NA Number: NA1993 Packing group III

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not regulated

UN Number: 1993 Packing group III

MARINE TRANSPORT (IMDG/IMO): Not dangerous goods

AIR TRANSPORT (ICAO/IATA): Not dangerous goods

Additional Transport

Information:

In accordance with 49 CFR 173.150(f) non-bulk containers <450 L or <119 gallons of

this material may be shipped as non-regulated when transported solely by land.

Section 15 - REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists Hazardous Components (Chemical Name) N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}

S. 302 (EHS) – NO, S. 304 RQ -- NO, S. 313 (TRI) -- YES

Other US EPA or State Lists:

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -
Inventory, 4 Test, 12(b); CA PROP.65: Yes; CA TAC, Title 8:
No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No;
NJ EHS: Yes - 3716; NY Part 597: No; PA HSL: Yes - 1; SC
TAP: No; WI Air: No
International Regulatory Lists:
Canadian DSL: Yes; Canadian NDSL: No

Section 16 - OTHER INFORMATION

Health – 2
Flammability – 2
Physical – 0

Date prepared – 6.22.15

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. HDIP INC MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of this product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.