

Duro-Last Solvent-Grip™

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION
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Product Name:	Duro-Last Solvent-Grip™
Version:	1
Identifier 1:	Adhesive
Identifier 2:	11020
Product Type:	Liquid
Product Use:	Spray Adhesive
 Company Information:	 Duro-Last®, Inc. 525 W Morley Dr. Saginaw, MI 48601 Phone: (800) 248-0280 Internet Address: www.duro-last.com
 24 Hour Emergency Contact:	 INFOTRAC 1-800-535-5053 (US & Canada) 1-352-323-3500 (International)

SECTION 2	HAZARD(S) IDENTIFICATION
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Hazard Classification:	Health Hazards Skin Irritation, Category 3 Eye Irritation, Category 2A Specific Target Organ Toxicity (Single Exposure), Category 3 Physical Hazards Flammable Aerosol, Category 1 Gases Under Pressure, Compressed Gas
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Pictogram(s):



Signal Word: DANGER

Hazard Statements:	H222 - Extremely flammable aerosol. H280 - Contains gas under pressure; may explode if heated. H316 - Causes mild skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. H336 - May cause drowsiness or dizziness.
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Precautionary Statements:	Prevention P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P271 - Use only outdoors or in a well-ventilated area. Response P304+P313+P340 - IF INHALED: Get medical advice/attention. Move victim to fresh air and keep at rest in a position comfortable for breathing.
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- P302+P352+P362 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.
- P332+P313 - If skin irritation occurs: Get medical advice/attention.

Disposal

- P501 - Dispose of contents/container according to local, state, federal, and international regulations.

SECTION 3**COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous Ingredients**

Chemical Name	CAS Number	Concentration (%)
Acetone	67-64-1	50 – 75
Dimethyl Ether	115-10-6	12 – 25
Nitrogen	7727-37-9	1 – 7
Methyl Ethyl Ketone	78-93-3	1 – 7

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, that are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4**FIRST-AID MEASURES**

Eye Contact: Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate medical attention.

Skin Contact: Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash affected areas thoroughly with mild soap. If skin irritation persists, get immediate medical attention.

Inhalation: Move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen and get immediate medical attention.

Ingestion: Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Seek immediate medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed:**Eye and Face**

Contact with eyes may cause irritation. Direct contact with liquid or vapors may cause stinging, tearing, redness, swelling, and eye damage.

Skin and Body

May cause skin irritation and/or dermatitis. Prolonged or repeated contact or exposure to vapors may cause redness, burning, and drying and cracking of the skin.

Inhalation

Breathing high concentrations of vapors may cause irritation of the nose and throat or signs of nervous system depression (i.e. headache, nausea, drowsiness, dizziness, vomiting, loss of coordination and fatigue).

Ingestion

Ingestion may cause irritation of the digestive tract, nausea, vomiting, and signs of nervous system depression.

Chronic Effects: Avoid repeated exposure. May cause blood damage. Repeated contact may cause allergic reactions in very susceptible persons.

Aggravated Medical Conditions:

Pre-existing eye, skin, or respiratory disorders may be aggravated by exposure to this product.

Protection of First-Aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Show this Safety Data Sheet to the doctor in attendance.

Notes to Physician: Treat symptomatically.

SECTION 5**FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media: Carbon Dioxide, dry chemicals, or foam. Water may be helpful in keeping adjacent containers cool; avoid spreading the liquid with water used for cooling. Water-based sprinkler systems may help contain larger fires.

Specific Hazards Arising from the Chemical: Closed containers may rupture if exposed to fire or extreme heat. May produce toxic fumes if burning.

Special Protective Equipment for Firefighters: In the event of fire, wear self-contained breathing apparatus with pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

Handling Precautions: Use personal protective equipment. Remove all sources of ignition.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water to sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods for Clean-Up: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

SECTION 7**HANDLING AND STORAGE**

Handling Precautions: Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear appropriate personal protective equipment (see Section 8). Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition.

Storage Requirements: Keep containers tightly closed in a dry, cool and well-ventilated place that is away from extremes of heat or cold. Keep in properly labeled containers.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Limits**

Component	Basis	Value	Exposure Limit(s)* / Form of Exposure
Acetone	OSHA	PEL	1,000 ppm
	ACGIH	TLV	250 ppm
Dimethyl Ether	OSHA	PEL	Not Established
	ACGIH	TLV	1,000 ppm
Nitrogen	OSHA	PEL	Not Established
	ACGIH	TLV	Not Established
Methyl Ethyl Ketone	OSHA	PEL	200 ppm
	ACGIH	TLV	200 ppm

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this Safety Data Sheet.

Engineering Measures:	Ensure adequate ventilation, especially in confined areas.
Hygiene Measures:	Avoid contact with skin, eyes, and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using, do not eat, drink or smoke.
Personal Protective Equipment:	<p>Eye and Face Protection Safety goggles or glasses, or a full face shield.</p> <p>Skin and Body Protection Wear protective gloves and impervious clothing. Consult the glove/clothing manufacturer for proper selection of materials.</p> <p>Respiratory Protection In operations where exposure limits are exceeded, use a properly fitted NIOSH approved air-purifying or air-fed respirator with an organic vapor cartridge or canister complying with an approved standard.</p>

SECTION 9		PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Blue Liquid	Vapor Density:	N/A
Odor:	Solvent Odor	Boiling Point:	-13.0°F [-25.0°C]
Odor Threshold:	N/A	Freezing Point:	N/A
VOC:	112 g/L	Melting Point:	N/A
VOC Less Exempt & Water:	226 g/L	Flammability:	N/A
Non-Volatile (wt%):	17.29	Partition Coefficient:	N/A
Specific Gravity:	0.812 g/l	Auto-Ignition Temp:	N/A
Bulk Density:	6.76 lb/gal	Decomposition Temp:	N/A
Solubility in Water:	Insoluble	Explosive Properties:	N/A
pH:	N/A	Oxidizing Properties:	N/A
Viscosity:	N/A	Flash Point:	-42.0°F [-41.1°C]
Evaporation Rate:	N/A	Flammable Limits:	Lower: 2.67; Upper: 13.40

SECTION 10		STABILITY AND REACTIVITY	
Chemical Stability:	Stable under normal conditions. Hazardous polymerization does not occur.		
Conditions to Avoid:	Keep away from open flames, hot surfaces, static electricity and sources of ignition. Avoid extremes of heat or cold.		
Materials to Avoid:	Incompatible with strong acids and bases, alkali metals, halogens, and strong oxidizing agents.		
Hazardous Decomposition Products:	Thermal decomposition can lead to release of irritating gases and vapors. Carbon Monoxide, Carbon Dioxide, smoke, and other unidentified organic compounds may be formed during combustion.		
Possibility of Hazardous Reactions:	None under normal conditions of use.		

SECTION 11		TOXICOLOGICAL INFORMATION	
Acute Toxicity:	No data available.		
Chronic Toxicity:	No data available.		
Typical Routes of Entry:	Inhalation, skin absorption, and eye contact.		
Sensitization:	No data available.		

SECTION 12

ECOLOGICAL INFORMATION

Aquatic Toxicity:	No data available.
Degradability:	No data available.
Bio-accumulation:	No data available.
Other Information:	No data available.

SECTION 13

DISPOSAL CONSIDERATIONS

Disposal Methods:	Dispose of in accordance with all applicable local, state, and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.
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SECTION 14

TRANSPORT INFORMATION

Department of Transportation Information

Proper Shipping Name:	Chemical Under Pressure, Flammable, N.O.S.
Hazard Class:	2.1
UN Number:	UN3501
Pictogram:	



Other Shipping Information:	Contains Dimethyl Ether and Acetone. Contact the preparer for further information.
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SECTION 15

REGULATORY INFORMATION

TSCA List:	All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
OSHA Regulatory Status:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
SARA 304 Reportable Quantity:	This material does not contain any components with a section 304 EHS RQ.
SARA 313:	This material does not contain any chemical components with known CAS numbers that have threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Clean Air Act:	This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
California Prop 65:	This product does not contain a chemical known to the State of California to cause cancer or reproductive harm. For more information, go to www.P65Warnings.ca.gov .

SECTION 16	OTHER INFORMATION
Previous Editions:	First Published: 02/03/2020
General Statements:	Keep out of reach of children. For professional or industrial use only.
Further Information:	NFPA is a Health, Flammability and Reactivity rating: 130B. This SDS was prepared in accordance with OSHA regulatory standards for Toxic and Hazardous Substances: 29 CFR 1910.1200.
Disclaimer:	To the best of our knowledge, the information contained herein is accurate. However Duro-Last®, Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although Duro-Last®, Inc. has described herein all of the hazards to which we are currently aware; we cannot guarantee that these are the only hazards which exist.