

SECTION 1 - IDENTIFICATION

Product Identifier

Product Number(s) O6503CT – 24/pk - 2 oz – RW-902-A-55
O6504CT – 10/pk - 2oz – RW-902-A-55 BU
O7631CT – 4 oz – IP-904-A-55

Product Name Dry Lube

Other Means of Identification None

Recommended Use and Restrictions on Use

Recommended Use Non-dust attracting dry lubricant.

Restrictions on Use None Identified

24 hr Emergency
Phone Number

800-424-9300
(Chem-Trek)

MANUFACTURER DETAILS		SUPPLIER DETAILS	
Name	Otis Products, Inc.	Name	Otis Products, Inc.
Address	6987 Laura St/PO Box 582 Lyons Falls, NY 13368	Address	6987 Laura St/PO Box 582 Lyons Falls, NY 13368
Phone Number	315-348-4300	Phone Number	315-348-4300
Fax Number	315-348-4332	Fax Number	315-348-4332

SECTION 2 - IDENTIFICATION

Hazard Classification

HEALTH HAZARDS				PHYSICAL HAZARDS					
Acute Tox. Oral	<input type="checkbox"/>	Mutagenicity	<input type="checkbox"/>	Unstable Explosive	<input type="checkbox"/>	Refrigerated Liq. Gas	<input type="checkbox"/>	Pyrophoric Solid	<input type="checkbox"/>
Acute Tox. Skin	<input type="checkbox"/>	Carcinogenicity	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Flammable Liquid	<input type="checkbox"/>	Emits Flammable Gas	<input type="checkbox"/>
Acute Tox. Inhalation	<input type="checkbox"/>	Tox. to Reproduction	<input type="checkbox"/>	Flammable Gas	<input type="checkbox"/>	Flammable Solid	<input type="checkbox"/>	Oxidizing Liquid	<input type="checkbox"/>
Skin Irritation	2	STOT SE	3	Aerosol	2	Self-Reactive Sub.	<input type="checkbox"/>	Oxidizing Solid	<input type="checkbox"/>
Eye Irritation	2	STOT RE	<input type="checkbox"/>	Oxidizing Gas	<input type="checkbox"/>	Pyrophoric Liquid	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>
Resp. Sensitization	<input type="checkbox"/>	Aspiration Hazard	1	Gas Under Pressure	X	Self-Heating Substance	<input type="checkbox"/>	Corrosive to Metal	<input type="checkbox"/>
Skin Sensitization	<input type="checkbox"/>		<input type="checkbox"/>	ENVIRONMENTAL HAZARDS (GHS Rev 3 Only)					
	<input type="checkbox"/>		<input type="checkbox"/>	Aquatic Acute	1	Aquatic Chronic	1	Ozone Depleting	<input type="checkbox"/>

Signal Word

Danger

Hazard Pictograms



Hazard Statements

Flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes skin and serious eye irritation. May cause drowsiness or dizziness. Very toxic to aquatic life with long lasting effects.

Precautionary Statements

General

Keep out of reach of children.

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing vapours. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye protection. Avoid release into the environment.

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Response	<i>If you feel unwell: Call a doctor. IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water. IF skin irritation occurs: Get medical advice. Take off contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep 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 eye irritation persists: Get medical advice. Collect spillage.</i>
Storage	<i>Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.</i>
Disposal	<i>Dispose of contents/container in accordance with local regulations.</i>
Hazards Not Otherwise Classified	<i>None identified.</i>
Unknown Acute Toxicity	<i>1.4 % by wt</i>

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	% WT RANGE*
1	Methyl Acetate	0000079-20-9	40 - 70
2	Liquefied Petroleum Gas	0068476-86-8	15 - 40
3	N-Heptane	0000142-82-5	10 - 30
4	Severly Hydrotreated Light Naphthenic Distillate	0064742-53-6	3 - 7
5	Stoddard Solvent	0008052-41-3	1 - 5

* Exact percentages of composition withheld as trade secret

SECTION 4 - FIRST AID MEASURES

Description of First-Aid Measures

General	<i>If exposed or concerned seek medical advice/attention.</i>
Eye Contact	<i>Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.</i>
Skin Contact	<i>Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.</i>
Ingestion	<i>Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.</i>
Inhalation	<i>Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.</i>
First-Aid Responder Protection	<i>Wear adequate personal protective equipment based on the nature and severity of the emergency.</i>

Most Important Symptoms and Effects, Both Acute and Delayed

Eye Contact	<i>Liquid contact may cause pain along with moderate eye irritation.</i>
Skin Contact	<i>Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.</i>
Ingestion	<i>Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.</i>
Inhalation	<i>Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnea are also possible.</i>

Indication of Immediate Medical Attention and Special Treatment

Notes to Physician	<i>Stoddard Solvent sensitizes the heart to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in individuals exposed. Use of sympathomimetic drugs should be avoided. If ingested, the material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left later lateral decubitus position.</i>
Specific Treatments/Antidotes	<i>No information available.</i>
Immediate Medical Attention	<i>No information available.</i>

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SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media	<i>Water, CO₂, dry chemical, or universal aqueous film forming foam</i>
Unsuitable Extinguishing Media	<i>Water jet</i>

Specific Hazards Arising from the Chemical or Mixture

Decomposition Products	<i>Oxides of carbon (CO, CO₂), smoke, and/or vapors</i>
Hazards from the Product	<i>CONTENTS FLAMMABLE AND UNDER PRESSURE. In a fire or if heated, a pressure increase will occur which may result in the container bursting. Vapours heavier than air may spread along the ground and travel to an ignition source.</i>

Advice for Firefighters

Protective Actions	<i>Use water spray to cool fire exposed containers as contents may rupture violently from heat developed pressure.</i>
Protective Equipment	<i>As with any fire wear SCBA pressure-demand, MSHA/NIOSH approved, and full protective gear.</i>

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel	<i>No action should be taken by non-emergency personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.</i>
For Emergency Responders	<i>Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel.</i>

Environmental Precautions

Precautions	<i>Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.</i>
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Methods and Materials for Containment and Cleaning Up

Containment Procedures	<i>Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents. DO NOT use combustible material such as sawdust.</i>
Cleanup Procedures	<i>Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.</i>
Other Information	<i>Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal.</i>
Prohibited Materials	<i>Combustible absorbent material such as sawdust, use of equipment that may cause sparking.</i>

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling

General Handling Precautions	<i>KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation. Wash hands after use.</i>
Hygiene Recommendations	<i>Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.</i>

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Conditions for Safe Storage Including Any Incompatibilities

Storage Requirements	<i>Storage of individual cans should be done in an area below 50 °C (122 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 3 Aerosol.</i>
Incompatibilities	<i>Segregate storage away from materials indicated in Section 10</i>

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

ID	PEL	OSHA		IDLH	NIOSH			TLV	ACGIH		AIHA WEEL
		STEL	CEILING		REL	STEL	CEILING		STEL	CEILING	
1	200 ppm	–	–	3100 ppm	200 ppm	250 ppm	–	200 ppm	250 ppm	–	–
2	1000 ppm	–	–	2000 ppm	1000 ppm	–	–	1000 ppm	–	–	–
3	500 ppm	–	–	750 ppm	85 ppm	–	440 ppm	400 ppm	500 ppm	–	–
4	10 mg/m ³	–	–	–	–	–	–	–	–	–	–
5	500 ppm	–	–	20000 mg/m ³	350 mg/m ³	–	1800 mg/m ³	100 ppm	–	–	–

Biological Exposure Indices

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
–	–	–	–	–

Other Control Parameters *Not Available*

Appropriate Engineering Control

Engineering Measures *Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.*

Individual Protection Measures

Hygiene Considerations *Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the reach of children. Wash hands after use.*

Thermal Protection *This product does not present a thermal hazard.*

Respiratory Protection *An approved respirator with organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.*

Skin Protection *For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.*

Eye/Face Protection *Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.*

Other Protective Equipment *Safety showers and eye-wash stations should be available in the workplace near where the material will be used.*

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Boiling Point	>57.0 °C (134.6 °F)	Melting / Freezing Point	>-98.1 °C (-144.6 °F)
Flash Point, Liquid	> -10.0 °C (14.0 °F)	Flash Point, Propellant	-104.4 °C (-156.0 °F)
Explosive Limits	0.80% - 16.00%	Autoignition Temperature, Liquid	204.0 °C (399.2 °F)
Flammability	<i>Flammable Aerosol</i>	Relative Density (H₂O = 1)	0.747 g/cc
Molecular Weight	<i>Not Available</i>	Weight	6.235 lbs/gal
Vapor Pressure	70.00 psig	pH	<i>Not Available</i>
Vapor Density	3.500 g/cc Maximum	Evaporation Rate	<i>Not Available</i>
Form	<i>Pressurized Product</i>	Partition Coefficient	<i>Not Available</i>
Viscosity	<i>Not Available</i>	Refractive Index	<i>Not Available</i>

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Odor Threshold	<i>Not Available</i>	Heat of Combustion (ΔH_c)	<i>Not Available</i>
Odor	<i>Slight</i>	Water Solubility	<i>Not Available</i>
Appearance / Color	<i>Clear to light amber</i>	Decomposition Temperature	<i>Not Available</i>

Air Quality Properties

Percent Volatile	<i>94% Wt (94% Vol) Max</i>	VOC Regulatory	<i>4.562 lbs/gal (546.639 g/L)</i>
Percent VOC	<i>44% Wt (54% Vol) Max</i>	VOC Actual	<i>2.738 lbs/gal (328.007 g/L)</i>
Percent HAP	<i>None</i>	HAP Content	<i>None</i>
Solids/Non Volatile Content	<i>7% Wt (7% Vol) Max</i>	Maximum Incremental Reactivity	<i>0.566 g O3/g</i>
Global Warming Potential	<i>2.000</i>		

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	<i>No specific test data related to reactivity is available for this product or its ingredients.</i>
Chemical Stability	<i>This product is stable.</i>
Hazardous Reactions	<i>Under normal conditions of storage and use, hazardous reactions are not expected to occur.</i>
Conditions to Avoid	<i>Keep away from heat, sparks, flame, and red hot metal.</i>
Material Incompatibility	<i>Alkalis, Chlorine Dioxide, Nitrates, Potassium Tert-Butoxide, Strong Acids, Strong Oxidizing Agents</i>
Decomposition Productions	<i>Oxides of Carbon, Acetic Acid, Methanol may be formed depending on fire conditions.</i>

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates (mixture)

Oral LD₅₀	<i>5690 mg/kg</i>
Dermal LD₅₀	<i>4285 mg/kg</i>
Inhalation LC₅₀	<i>1702 mg/L 4-hour</i>

Acute Toxicity on Ingredients

ID	ORAL LD50		DERMAL LD50		INHALATION LC50		
	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES
1	>5000 mg/kg	rat	>5000 mg/kg	rat	>16000 ppm	4h	rat
2	-	-	-	-	658 mg/L	4h	rat
3	>15000 mg/kg	rat	-	-	103 g/m3	4h	rat
4	>5000 mg/kg	rat	>2000 mg/kg	rabbit	>5560 mg/m3	4h	rat
5	>5000 mg/kg	rat	>3000 mg/kg	rabbit	>5500 mg/m3	4h	rat

Health Hazard Classification

Skin Corrosion / Irritation	<i>Category 2</i>
Eye Damage / Irritation	<i>Category 2</i>
Respiratory Irritation	<i>Classification criteria not met</i>
Respiratory / Skin Sensitization	<i>Classification criteria not met</i>
Germ Cell Mutagenicity	<i>Classification criteria not met</i>
Reproductive Toxicity	<i>Classification criteria not met</i>
STOT - Single Exposure	<i>Category 3</i>
STOT - Repeated Exposure	<i>Classification criteria not met</i>
Aspiration Hazard	<i>Category 1</i>
Carcinogen Data	

ID	Califf Prop-65	OSHA	NIOSH	ACGIH	NTP	IARC
	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>

Information on the Likely Routes of Exposure

Routes of Exposure	<i>Skin contact, skin absorption, eye contact, inhalation</i>
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Information on Physical, Chemical and Toxicological Effects

Symptoms of Exposure *Asphyxia, Chemical Pneumonitis, Chest Tightness, Dermatitis, Dizziness, Drowsiness, Optic Nerve Atrophy, Skin Irritation, Stupor, Throat Irritation*

Delayed and Immediate Effects and also Chronic Effects from Short and Long-Term Exposure

Delayed Effects *No known delayed effects.*

Immediate Effects *No known immediate effects.*

Chronic Effects *Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by concentrating and inhaling this product may be harmful or fatal. Stoddard Solvent when ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction.*

Medical Conditions Aggravated *May aggravate personnel with pre-existing disorders associated with any of the Target Organs.*

Target Organs *Central Nervous System, Eyes, Kidneys, Respiratory System, Skin*

SECTION 12 - ECOLOGICAL INFORMATION

Acute Aquatic Toxicity

ID	TYPE	FISH			INVERTEBRATES			AQUATIC PLANTS			MICROORGANISMS		
		VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	
1	LC50	399 mg/L	96h	EC50	1027 mg/L	48h	EC50	>120 mg/L	72h	EC50	6100 mg/L	30m	
3	EC50	220 mg/L	96h	LC50	>10 mg/L	24h	EC50	1.5 mg/L	8h	-	-	-	

Ecological Data

ID	PERSISTENCE	PERSISTENCE AND DEGRADABILITY			BIOACCUMULATIVE POTENTIAL		MOBILITY
		BOD	COD	ThOD	Pow / Kow	BCF	
1	-	-	1511.8 mg/g	1510 mg/g	0.18 log Pow	-	0.68 log Koc
3	-	-	-	-	4.66 log Pow	3.11 log BCF	2.44 log Koc
4	-	-	-	-	3.9 log Pow	-	-
5	-	-	-	-	3.16 log Kow	-	-

Other Adverse Effects *No additional information available.*

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal

Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

Waste Disposal of Packaging

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.

Landfill Precautions

Not available

Incineration Precautions

**** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE ****

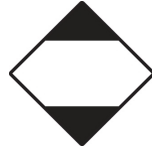
SECTION 14 - TRANSPORTATION INFORMATION

Transportation Information

UN Number
Proper Shipping Name
Hazard Class(es)
Packaging Group
Marine Pollutant
Hazard Label(s)

Ground Transportation (DOT)

UN1950
 Aerosols, Limited Quantity
 2.1
 —
 Yes



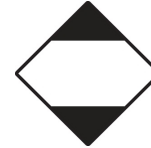
Air Transportation (IATA)

UN1950
 Aerosols, Flammable, Limited Quantity
 2.1
 —
 N/A



Ocean Transportation (IMDG)

UN1950
 Aerosols, Limited Quantity
 2.1
 —
 Yes



SECTION 15 - REGULATORY INFORMATION

Federal Regulations

ID	TSCA	SARA 302	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	SARA 311/312		PRESSURE	CLEAN AIR ACT		CLEAN
	LISTED	EHS TPQ						ACUTE	CHRONIC		HAP	SOCMI	WATER ACT
1	Yes	—	—	—	—	Yes	—	Yes	—	—	—	—	—
2	Yes	—	—	—	—	Yes	—	—	—	—	—	—	—
3	Yes	—	—	—	—	Yes	—	Yes	—	—	—	—	—
4	Yes	—	—	—	—	—	—	—	—	—	—	—	—
5	Yes	—	—	—	—	—	—	Yes	—	—	—	—	—

State Regulations

ID	CA	DE	MA	ME		MN	NJ	NY	PA	WA	WI	WV
	P-65	RQ	RTK CODES	TYPE	RQ	AIR	RTK	LAND	LISTED	PEL TWA	TABLE	TAP
1	—	—	2,4,5,6	—	—	—	AO	—	Yes	200 ppm	—	—
3	—	—	2,4,5,6	—	—	—	ANO	—	Yes	400 ppm	—	—
4	—	—	1 *E*C*	—	—	—	—	—	—	—	—	—
5	—	—	2,4	—	—	—	ANO	—	Yes	100 ppm	A	—

SECTION 16 - OTHER INFORMATION

SDS Revision History

Revision 1, 12/20/2006, Original
 Revision 2, 03/28/2013, Updated to GHS Version 4 Format.
 Revision 3, 02/14/2014, General Update.
 Revision 4, 05/01/2014, Added Product O6503CT.
 Revision 5, 08/29/2014, Update to GHS Version 5 Format.
 Revision 6, 06/02/2015, Amended to GHS Version 3 Format.
 Revision 7, 08/05/2015, Updated Section 14
 Revision 8, 04/18/2016, General update and added part # O7631CT.
 Revision 9, 06/08/2016, General update.

SDS Compliance

This SDS complies with the below listed regulations only. For SDS that comply with other countries, please contact our Regulatory Department at msds@chem-pak.com

OSHA Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200

Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Revision 3

Disclaimer of Liability

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