

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name:

Dura Rely-A-Soft Liquid

Company Identification:

Reliance Dental Mfg., LLC.
5805 W. 117th Place
Alsip, IL 60803

For Product Information, call: 708-597-6694 **For Medical Information, call:** 800-535-5053

Section 2 - Hazards Identification

GHS Classification: Not a hazardous substance or mixture.

GHS Label element: Not a hazardous substance or mixture.

Potential Health Effects**Carcinogenicity:****IARC:**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP:

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Emergency Overview

Appearance: Liquid

Colour: Clear, Colorless

Hazard Summary: No information available

Section 3 - Composition, Information on Ingredients

Substance / Mixture: Mixture

Hazardous Components

CAS—No.	Chemical Name	Concentration(%)
115-86-6	Triphenyl Phosphate	1 - 5

Section 4 - First Aid Measures

General Advice: Do not leave the victim unattended.

Inhalation: Move to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, get medical advice/attention.

- Skin Contact:** Wash off with soap and plenty of water. Get medical advice/attention if irritation develops and persists.
- Eye Contact:** Remove contact lenses. Protect unharmed eye. Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, get medical advice/attention.
- Ingestion:** Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, get medical advice/attention.

Section 5 - Fire Fighting Measures

- Unsuitable extinguishing media:** High volume water jet.
- Specific hazards during firefighting:** Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products:** No hazardous combustion products are known.
- Specific extinguishing methods:** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Further information:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Special protective equipment for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Section 6 - Accidental Release Measures

- Environmental Precautions:** Prevent product from entering drains. If the product contaminates rivers and lakes or drains, inform respective authorities.
- Methods and materials for Containment and cleaning up:** Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

- Handling:** For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
- Storage:** Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations/working materials must comply with the technological safety standards.
- Materials to avoid:** No materials to be especially mentioned.

Section 8 - Exposure Controls, Personal Protection

CAS-No.	Components	Value type (form of exposure)	Control parameters / Permissible concentration	Basis
115-86-6	Triphenyl Phosphate	TWA	3 mg/m ³	ACGIH

		TWA	3 mg/m ³	NIOSH REL
		TWA	3 mg/m ³	OSHA Z-1
		TWA	3 mg/m ³	OSHA PO

Personal protective equipment

Respiratory protection:

No personal respiratory protective equipment normally required. In the case of vapour formation, use a respirator with an approved filter.

Eye Protection:

Safety glasses.

Skin and Body Protection:

Protective Suit.

Hygiene Measures:

General industrial hygiene practice.

Section 9 - Physical and Chemical Properties

Appearance:	Liquid
Color:	Clear, colorless
Odor:	No data available.
pH:	No data Available
Freezing Point (Melting point/freezing point):	Estimated -30°C (-22°F)
Boiling Point (Boiling point/boiling range:	239°C (462°F) (13 hPa)
Flash point:	224.0° C (435.2°F)
Evaporation Rate (H₂O=1):	No data available
Flammability (solid,gas):	No data available
Burning rate:	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure:	0.2 mmHg @ 150°C (302°F)
Relative vapour density:	No data available
Relative density:	1.09 @ 25°C (77°F) Reference substance: (water = 1)
Density:	No data available
Bulk density:	No data available
Solubility(ies)	
Water solubility:	0.00005 g/l
Other solvents:	No data available
Partition coefficient:	No data available
n-octanol/water	
Auto-ignition temperature:	No data available
Viscosity	
Viscosity, kinematic:	16.4 mm ² /s @ 25°C(77°F)

Section 10 - Stability and Reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	No hazards to be specially mentioned.
Conditions to avoid:	None known.
Incompatible materials:	Strong oxidizing agents

3 of 8
Dura Rely-A-Soft Liquid

Acute Toxicity**Components:****115-86-6:**

Acute oral toxicity: LD50 (Rat, male and female): > 20,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity: No data available

Acute dermal toxicity: LD50 (Rabbit): >10,000 mg/kg
Method: OECD Test Guideline 402

Skin Corrosion/Irritation**Components:****115-86-6:**

Species: Rabbit; exposure time: 4 h.; No skin irritation
Method: OECD Test Guideline 404

Serious Eye Damage/Eye Irritation**Components:****115-86-6:**

Species: Rabbit; exposure time: 24 h.; No eye irritation
Method: OECD Test Guideline 405

Respiratory or Skin Sensitization**Components:****115-86-6:**

Species: Guinea Pig; Test type: Maximisation Test (GMPT);
Did not cause sensitization on laboratory animals; GLP: Yes
Method: OECD Test Guideline 406

Germ Cell Mutagenicity**Components:****115-86-6**

Genotoxicity in vitro: Species: Chinese hamster lung fibroblasts; Test type:
Chromosome aberration test in vitro; Metabolic activation: with
and without metabolic activation; Result: Negative, GLP: Yes
Method: Mutagenicity (in vitro mammalian cytogenetic test)

Germ cell mutagenicity-
Assessment: tests on bacterial or mammalian cell cultures did not show
mutagenic effects.

Carcinogenicity**Components:****115-86-6**

Remarks: This information is not available.

Carcinogenicity-Assessment: Carcinogenicity classification not possible from current data.

Reproductive toxicity**Components:****115-86-6**

Effects on fertility: Test type: One generation study; species: Rat, male and
female; Application Route: Oral; Dose: 166, 341, 516, 690
mg/kg; General Toxicity – Parent: NOAEL: 690 mg/kg bw;
Method: OECD Test Guideline 415; Result: Animal testing did
not show any effects on fertility; GLP: No data available.

Effects on fetal development: Species: Rat; Application Route: Oral; Dose: 166, 341, 516,
690 mg/kg; Duration of Single Treatment: 91 d; General

Toxicity Maternal: NOAEL: .690 mg/kg bw; Teratogenicity: NOAEL: .690 mg/kg bw; Method: OECD Test Guideline 414; GLP: No data available.

Reproductive toxicity-Assessment: Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.

STOT – Single Exposure

Product: No data available.
Components: 115-86-6: no data available.

STOT – Repeated Exposure

Product: No data available.
Components: 115-86-6: no data available.

Repeated Dose Toxicity

Components: 115-86-6; Species: Rat, male and female; NOAEL: 250 ppm; Application Route: Oral; Exposure time: 4 wk; Number of exposures: daily; Dose: 0, 250, 1000, or 4000 ppm; Method: OECD Test Guideline 407; GLP: yes.

Aspiration Toxicity

Product: No aspiration toxicity classification.

Further Information

Product: Remarks: No data available.

Section 12 - Ecological Information

Ecotoxicity

Components:

115-86-6

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 0.4 mg/l; Exposure time: 96 h; Test Type: Static test

Toxicity to daphnia & other aquatic invertebrates: EC50 (Daphnia magna (Water Flea)): 1 mg/l; Exposure time: 72 h; Test Type: Growth inhibition

M-Factor (Acute aquatic toxicity): 1
Ecotoxicology Assessment
Acute aquatic toxicity: Very toxic to aquatic life.

Chronic aquatic toxicity: Very toxic to aquatic life with long lasting effects.

Persistence and Degradability

Components:

115-86-6

Biodegradability: Aerobic: Inoculum: Activated sludge, domestic, adaption not specified
Concentration: 100 mg/l; Result: Readily biodegradable;
Biodegradation: 83%; Exposure time: 28 d;
Remarks: Readily biodegradable

Bioaccumulative Potential

Components:

115-86-6

Bioaccumulation: Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 271; Exposure time: 90 d

Partition coefficient: n-octanol/water:

Log Pow: 4.63 (20°C)

Mobility in Soil:

No data available

Other Adverse Effects:

No data available

Product

Regulation:

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA Section 602 Class 1 Substances

Remarks:

This product neither contains, nor was manufactured with a Class 1 or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B)

Additional ecological information:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal; Toxic to aquatic life with long lasting effects

Section 13 - Disposal Considerations

Disposal Methods

Waste from residues:

Disposed of in accordance with all Local, State and Federal regulations.

Section 14 - Transport Information

IATA

Not regulated as a dangerous good.

IMDG-Code:

Not regulated as a dangerous good.

DOT (U.S.)

Not regulated as a dangerous good.

Section 15 - Regulatory Information

WHMIS Classification:

Not Rated

EPCRA – Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity:

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ

SARA 311/312 Hazards:

No SARA Hazards

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutant (SAP), 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® for Accidental Release Prevention (40 CFR 68, 130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMIs Intermediate or Final VOC's (40 CFR 60.4889).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A. This product does not contain any hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

US State Regulations

Massachusetts Right to Know	115-86-6	Triphenyl Phosphate	1-5%
Pennsylvania Right to Know	115-86-6	Non-Hazardous Ingredients Triphenyl Phosphate	90-100% 1-5%
New Jersey Right to Know	115-86-6	Non-Hazardous Ingredients Triphenyl Phosphate	90-100% 1-5%

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

United States TSCA Inventory	:	y (positive listing) (On TSCA Inventory)
Canadian Domestic Substances List (DSL)	:	y (positive listing) (All components of this product are on the Canadian DSL)
Australia Inventory of Chemical Substances (AICS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
New Zealand Inventory of Chemical Substances	:	y (positive listing) (On the inventory or in compliance with the inventory)
Japan ENCS _ Existing and New Chemical Substances Inventory	:	y (positive listing) (On the inventory or in compliance with the inventory)
Korea Korean Existing Chemicals inventory (KECI)	:	y (positive listing) (On the inventory or in compliance with the inventory)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	:	y (positive listing) (On the inventory or in compliance with the inventory)
China Inventory of Existing Chemical Substances in China (IECSC)	:	y (positive listing) (On the inventory or in compliance with the inventory)

Section 16 - Additional Information

Hazardous Material Information System (HMIS) Rating

HEALTH 0
FLAMMABILITY 1
PHYSICAL HAZARD 0

National Fire Protection Association (NFPA)**HMIS & NFPA Hazard Rating**

HEALTH 0
FLAMMABILITY 1
INSTABILITY 0

PHYSICAL HAZARD

0 = not significant
1 = Slight
2 = Moderate
3 = High
4 = Extreme
* = Chronic

Legacy SDS: 100000011328

Material number:

16053196, 103735, 107491, 89383, 104809, 105838, 73002

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200), THE COMMONWEALTH OF PENNSYLVANIA REGULATIONS (TITLE 34. CHAPTERS 301-323) AND CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.

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