



Material Safety Data Sheet

Product Name:
Nola Dry Field System –
Lip & Cheek retractor, Replacement Tips, Safety latch

Date Prepared: 3/25/09

SECTION I IDENTIFICATION

Manufacturer:

Great Lakes Orthodontics, Ltd.

200 Cooper Avenue
Tonawanda, NY 14150

Phone: 1-800-828-7626 (U.S. & Canada)

716-871-1161 (Worldwide)

Fax: 716-871-0550

Email: info@greatlakesortho.com

24-Hour Emergency Phone Number:

CHEMTREC: 800-424-9300

Product Numbers:

300-401

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s). OSHA PEL ACGIH TLV % (Optional)

Acetal (Polybutylene, Terephthalate, Thermoplastic, Polyester) CAS# 30965-26-5

Nuisance / inert dust

Nuisance particulate

OSHA PEL - 15mg/cu m total 5mg/cu m respirable

ACGIH - 10mg/cu m total 3mg/cu m respirable

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Vapor Pressure (mm Hg.): <0.001mm Hg

Vapor Density (AIR = 1): N/A

Solubility in Water: <0.001 GPL

Specific Gravity (H₂O – 1): 1.3 to 1.65

Melting Point: N/A

Evaporation Rate (Butyl Acetate – 1):

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >93° C (>200° F) – Tag closed cup

Flammable Limits: LEL – UEL –

Extinguishing Media: Water spray, carbon dioxide, dry chemical

Special Fire Fighting Procedures: Wear positive-pressure, self-contained breathing apparatus and protective fire fighting clothing.

SECTION V

REACTIVITY DATA

Stability: Stable

Conditions to avoid: Temperatures over 550° F or 288° C and prolonged exposure above 520° F and 271° C

Incompatibility (Material to avoid): Strong bases

Hazardous Products of Combustion: Carbon dioxide, Carbon Monoxide

Hazardous Decomposition or Byproducts: Aldehydes, Ketones, Esters, Acids, Alcohol's, Butadiene, Tetrahydrofuran, Toluene, Benzoic Acid, Terephthalic Acid

Hazardous Polymerization: Will not occur

Conditions to avoid:

SECTION VI

HEALTH HAZARD DATA

Route(s) of entry:

Inhalation – Vapors are unlikely due to physical properties.

Skin – Solid may cause irritation due to mechanical action.

Ingestion – Solid may cause choking if swallowed. Oral toxicity is believed to be very low, consider physiologically inert.

Eyes - Solid may cause irritation due to mechanical action.

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air. Seek medical attention if difficulty in breathing occurs.

Eyes: Irrigate immediately with water for at least five minutes, mechanical irritation only, seek medical attention.

Skin: Wash off in flowing water or shower.

Ingestion: If significant quantity has been swallowed, give two glasses of water to dilute. Seek medical attention.

SECTION VII

PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Sweep up and discard

Waste Disposal Method: Bury in landfill or burn in adequate incinerator in accordance with applicable local, state, and federal regulations.

Precautions to be taken in handling and storing:

Other Precautions: The glass particles in this product are wetted by the polymer system. Residual glass (<1%) may be present and cause mechanical eye, skin, and respiratory irritation. Operations involving grinding or machining should be reviewed to assure that particulate levels are kept below recommended standards.

SECTION VIII

CONTROL MEASURES

Respiratory Protection (Specific Type): None required.

Ventilation:

Local exhaust: Good general ventilation should be sufficient.

Eye Protection: Safety glasses

The information herein is given in good faith but no warranty, expressed or implied is made.



Product Name:

Material Safety Data Sheet

Date Prepared: 3/25/09

No. 1 Dry Field System –
"Y" Connector, Adaptor

SECTION I IDENTIFICATION

Manufacturer:

Great Lakes Orthodontics, Ltd.

200 Cooper Avenue
Tonawanda, NY 14150

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24-Hour Emergency Phone Number:

CHEMTREC: 800-424-9300

Product Numbers:

300-401

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s). OSHA PEL ACGIH TLV % (Optional)
Polypropylene Homopolymer CAS # 9003-07-0

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Vapor Pressure (mm Hg.): N/A

Vapor Density (AIR = 1): N/A

Solubility in Water: NIL

Specific Gravity (H₂O – 1): 0.88-0.92

Melting Point: >160° C (320° F)

Evaporation Rate (Butyl Acetate – 1): N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 329° C / 675° F

Auto Ignition: 357° C / 675° F

Flammable Limits: N/A

LEL – UEL –

Extinguishing Media: Water, carbon dioxide, or dry chemical

Special Fire Fighting Procedures: Standard procedures for class A fires.

Unusual Fire and Explosion Hazard: None

SECTION V

REACTIVITY DATA

Stability: Stable

Conditions to avoid:

Incompatibility (Material to avoid): Avoid contact with strong oxidizing agents.

Hazardous Products of Combustion: Carbon dioxide, Carbon Monoxide

Hazardous Polymerization: Will not occur

Conditions to avoid:

SECTION VI

HEALTH HAZARD DATA

Route(s) of entry:

No known health hazards.

Emergency and First Aid Procedures: Molten Resins

Skin: Immerse under a running stream of water until cooled. Do NOT attempt to remove resin from skin. Removal can result in tissue damage. Get immediate medical attention.

SECTION VII

PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Sweep up spilled material for use or disposal. Keep walking surfaces free of spilled material to avoid slipping hazard.

Waste Disposal Method: Incineration of waste material in a permitted facility in accordance to local, state, and federal regulations is the recommended disposal method. Land filling in a licensed facility in accordance to local, state, and federal regulations is a suitable alternative.

Other Precautions: Keep away from sparks and open flame. Do not store this material near any oxidizing material, may cause strong reaction. Keep below 60° C (140° F) for quality control. Store in sprinkled warehouse.

SECTION VIII

CONTROL MEASURES

Respiratory Protection (Specific Type): N/A

Ventilation: N/A

Eye Protection: Safety glasses

Work / Hygienic Practices: Eyewash fountains and safety showers should be easily accessible.

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Material Safety Data Sheet

Product Name:

Date Prepared: 3/25/09

N/a Dry Field System –

Ejector Guard Set, "C" Plates, Quick Fit, Hooks & Tubes, Buckle & Strap

SECTION I IDENTIFICATION

Manufacturer:

Great Lakes Orthodontics, Ltd.

200 Cooper Avenue
Tonawanda, NY 14150

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Fax: 716-871-0550

Email: info@greatlakesortho.com

24-Hour Emergency Phone Number:

Chemtrec: 800-424-9300

Product Numbers:

300-401

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s). OSHA PEL ACGIH TLV % (Optional)

> 98% Polypropylene Random Copolymer CAS # 009010-79-1

< 2% Additives

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Vapor Pressure (mm Hg.): Negligible

Vapor Density (AIR = 1): N/A

Solubility in Water: Negligible

Specific Gravity (H₂O – 1): .9

Melting Point: N/A

Evaporation Rate (Butyl Acetate – 1): N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A

Flammable Limits:

LEL –

UEL –

Extinguishing Media: Water spray and dry chemical

Hazardous Combustion Products: Carbon Monoxide and Carbon Dioxide

Special Fire Fighting Procedures: Wear positive-pressure, self contained breathing apparatus and protective fire fighting clothing.

SECTION V

REACTIVITY DATA

Stability: Stable

Conditions to avoid:

Incompatibility (Material to avoid): Material can react with strong oxidizing agents

Hazardous Decomposition or Byproducts:

Hazardous Polymerization: Will not occur

Conditions to avoid:

SECTION VI

HEALTH HAZARD DATA

Route(s) of entry:

Eyes – Solid may cause irritation due to mechanical action.

Skin – Solid may cause irritation due to mechanical action.

Ingestion – Solid may cause choking if swallowed. Oral toxicity is believed to be very low, consider physiologically inert.

Emergency and First Aid Procedures:

Inhalation: Move to fresh air, seek medical attention if symptoms persist.

Eyes: Irrigate immediately with water for at least five minutes, mechanical irritation only

Skin: Wash off in flowing water or shower

Ingestion: No adverse effects anticipated by this route of exposure

SECTION VII

PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Sweep up and discard.

Waste Disposal Method: Burn in adequate incinerator in accordance with applicable local, state, and federal regulations.

Precautions to be taken in handling and storing:

Other Precautions:

SECTION VIII

CONTROL MEASURES

Respiratory Protection (Specific Type): None required.

Ventilation:

Local exhaust: Good general ventilation should be sufficient.

Mechanical (General):

Eye Protection: Safety glasses

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Product Name:

Silicone Tubing for Great Lakes
Nola Dry Field System

Material Safety Data Sheet

Date Prepared: 4/23/09

SECTION I IDENTIFICATION

Manufacturer:

Great Lakes Orthodontics, Ltd.

200 Cooper Avenue
Tonawanda, NY 14150

Phone: 1-800-828-7626 (U.S. & Canada)

716-871-1161 (Worldwide)

Fax: 716-871-0550

Email: info@greatlakesortho.com

Product Numbers:

300-401

24-Hour Emergency Phone Number:

Chemtrec: 800-424-9300

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s). OSHA PEL ACGIH TLV % (Optional))
None Found

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: None

Vapor Pressure (mm Hg.): NA

Vapor Density (AIR = 1): NA

Solubility in Water: No

Appearance and Odor: Translucent white, no odor.

Specific Gravity (H₂O – 1): NA

Melting Point: NA

Evaporation Rate (Butyl Acetate – 1): NA

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 600° F (315° C) / COC

Flammable Limits: Not determined

LEL – UEL –

Extinguishing Media: Carbon Dioxide (CO₂). Water. Water fog (or spray). Dry chemical. Foam.

Special Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount involved, evacuate area.

SECTION V REACTIVITY DATA

Unusual Fire and Explosion Hazard: None.

Stability: Stable

Conditions to avoid:

Incompatibility (Material to avoid):

Hazardous Decomposition or Byproducts:

Hazardous Polymerization:

Conditions to avoid:

Comments: When heated to temperatures above 150° C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer causing hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

SECTION VI

HEALTH HAZARD DATA

Health Hazards (Acute and Chronic):

Inhalation – None Known.

Skin – A single prolonged exposure (24 to 48 hours) causes no known adverse affect. Washing after meal time and end of shift is adequate.

Eye – Direct eye contact may cause temporary discomfort with a mild redness and dryness similar to windburn.

Ingestion – Small amounts transferred to the mouth by fingers during use, etc. should not injure. Swallowing large amounts may cause digestive discomfort.

Signs and Symptoms of Exposure: None Known.

Medical conditions generally aggravated by exposure: None Known

Emergency and First Aid Procedures:

Inhalation: No first aid should be needed.

Eyes: Immediately flush with water.

Skin: No first aid should be needed.

Ingestion: No first aid should be needed.

SECTION VII

PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Collect and contain for salvage or disposal.

Observe all personal protection equipment recommendations described in section 4 and 8. Local, state, and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the regulations are applicable.

Waste Disposal Method:

Precautions to be taken in handling and storing: No special precautions

Other Precautions: Avoid eye contact. Use reasonable care.

SECTION VIII

CONTROL MEASURES

Respiratory Protection (Specific Type): None should be needed.

Ventilation:

Local exhaust: None should be needed

Mechanical (General): Recommended

Protective Gloves: No special protection needed

Eye Protection: Use proper protection – safety glasses as a minimum.

Other Protective Clothing or Equipment: None

Work / Hygienic Practices: N/A

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