



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY INFORMATION

Product Name(s): Talon®
Product Code(s): Not available.
Uses: An elastomer preparation for dental appliances.
Company: Comfort Acrylics Inc.
Address: 2103 NE 272nd Avenue; Camas, WA 98607; USA
Telephone Number: (800) 748-2566 Fax Number: (360) 834-4403
Emergency Telephone Number: Not available.
Date Issued: February 20, 2017 Date Revised: February 20, 2017

This SDS complies with the OSHA Hazard Communication Standard 29CFR1910.1200 as revised in May 2012 (GHS). It may not meet requirements in other countries.

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification: **WARNING**
Flammable Liquid (Category 3)
Eye Irritation (Category 2B)
Skin Irritation (Category 2)
Skin Sensitization (Category 1)
Single Exposure (Category 3)
Aquatic Acute Toxicity (Category 3)



GHS Hazard Statements:
Flammable liquid and vapor
Causes eye irritation
Causes skin irritation
May cause an allergic skin reaction
May cause respiratory irritation
Harmful to aquatic life

GHS Precautionary Statements:
Prevention:
Keep away from heat/sparks/open flames/hot surfaces.– No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against

Response:
In case of fire: Use water spray/dry chemical/ carbon dioxide/foam to extinguish.
Call a poison center/doctor/hospital if you feel unwell.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

SECTION 2 HAZARDS IDENTIFICATION

static discharge. If on skin: Wash with plenty of water/soap.

Wear protective gloves/eye protection/face protection. If inhaled: Remove person to fresh air and keep comfortable for breathing.

Wash hands/skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.

Avoid breathing mist/vapors/spray. Collect spillage.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing must not be allowed out of the workplace.

Avoid release to the environment.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Keep cool.

Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards Not
Otherwise
Classified:

None.

GHS
Assessment:

Approximately 0% of this mixture consists of ingredient(s) of unknown acute toxicity.

Approximately 40-60% of the mixture consists of ingredient(s) of unknown hazards to the aquatic environment.

SECTION 3 COMPOSITION / INGREDIENTS

Component	CAS Number	EC Number	Concentration
Polymer	Proprietary	---	40.0 - 60.0%
Butyl methacrylate	97-88-1	202-615-1	40.0 - 60.0%

Trade Secret Claims: Specific chemical identity and/or exact percentage (concentration) of components has been withheld as a trade secret.

SECTION 4 FIRST AID MEASURES

First Aid - Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation develops.

First Aid - Skin: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately if irritation develops and/or persists. Wash contaminated clothing before reuse.

First Aid - Ingestion: If swallowed and feel unwell, call a physician or poison control center. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

First Aid - Inhalation: If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be

SECTION 4 FIRST AID MEASURES

administered by qualified personnel. Seek immediate medical attention.

Important Symptoms / Tissue inflammation, rash, breathing difficulty.

Effects – Acute and
Delayed:

Advice to Physician: Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Treat surrounding material. Water spray, dry chemical, carbon dioxide, or foam is recommended. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Specific Hazards: This product is flammable. This product may give rise to hazardous vapors in a fire. Vapors/fumes may be irritating, corrosive and/or toxic.

Protective equipment and procedures for fire-fighters. Wear full protective clothing and self-contained breathing apparatus.

Additional Advice: None.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill Procedures: Wipe up spills with an absorbent towel/material and transfer into suitable containers for recovery or disposal. Finally clean up residual with an appropriate solvent (e.g. acetone), as this product is not appreciably soluble in water.

Personal Precautions: Wear suitable protective clothing and equipment.

Environmental Precautions: Prevent the material from entering drains or water courses. Do not discharge directly to a water source. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.

SECTION 7 HANDLING AND STORAGE

Handling: Ground and bond all equipment, vessels, and containers associated with processing and use of this liquid. Wear appropriate personal protection (See Section 8) when handling this material. The work area must be equipped with a safety shower and eye wash station. If exposed to the liquid, avoid contact with skin and eyes. Wash thoroughly after handling. Avoid breathing vapors. Use in a well-ventilated area.

Storage: Keep container(s) tightly closed. Use and store this material at temperatures below 3.3°C (38°F) away from sources of ignition, moisture, heat, direct sunlight, and hot metal surfaces. Keep away from any incompatible materials (see Section 10).

Additional Advice: Store in original container. Store as directed by the manufacturer.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Standards: Exposure limits are listed below, if they exist.

Polymer: None.

Butyl methacrylate: Canada – British Columbia: 50 ppm TWA.
Netherlands: 10 ppm TWA.
Sweden: 50 ppm TWA.
Sweden: 75 ppm STEL.

Engineering Control: Engineering methods to prevent or control exposure are preferred. Methods

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Measures:	include process or personnel enclosure, mechanical ventilation (local exhaust), and control of process conditions.
Respiratory Protection:	A NIOSH certified self-contained breathing apparatus or air purifying respirator with an organic cartridge may be used under conditions where airborne concentrations are expected to exceed exposure limits.
Hand Protection:	The use of gloves impervious to the specific material handled is advised to prevent skin contact, possible irritation and skin damage (see glove manufacturer literature for information on permeability).
Eye Protection:	Approved eye protection (safety glasses with side-shields or goggles) to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.
Body Protection:	Impervious clothing should be worn as needed to prevent skin contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear
Odor:	Acrylic; Ester-like
Odor Threshold:	Not available.
pH:	Not available.
Melting Point/Range (°C/°F):	-50°C / -58°F (butyl methacrylate)
Boiling Point/Range (°C/°F):	163°C / 325.4°F (butyl methacrylate)
Flash Point (PMCC) (°C/°F):	48.5°C / 119.3°F (butyl methacrylate)
Evaporation Rate:	Not available.
Flammability / Explosivity Limits in Air (%):	(butyl methacrylate) Lower flammable limit: 2 vol% Upper flammable limit: 8 vol%
Vapor Pressure:	2.12 mmHg (25°C) (butyl methacrylate)
Vapor Density (Air = 1):	4.8 (Air= 1) (butyl methacrylate)
Relative Density:	1.01 - 1.03 g/cm ³ (20°C) (est.)
Solubility in Water:	195 - 200 mg/l (25°C) (est.)
Partition Coefficient:	Not available.
Autoignition Temperature (°C/°F):	294°C / 561.2°F (butyl methacrylate)
Decomposition Temperature (°C/°F):	Not available.
Viscosity:	Not available.
Explosive Properties:	None.
Oxidizing Properties:	None.
Volatile Organic Content (VOC) (g/l):	ca. 520 - 600 g/l (as defined by 40CFR51.100)

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	Product will undergo exothermic reaction at elevated temperatures (>100°C) or in the presence of initiators.
Stability:	Stable under normal storage conditions (inhibited).

SECTION 10 STABILITY AND REACTIVITY

Hazardous Polymerization:	Will not occur on its own. Heating in bulk or in the presence of oxidizers/initiators may result in excessive heat generation, which in certain situations may be uncontrollable.
Conditions to Avoid:	Contact with incompatible materials, excessive heat.
Incompatibilities:	Strong oxidizing agents, strong acids, strong bases, moisture, free radical initiators, peroxides .
Hazardous Decomposition Products:	Oxides of carbon, aliphatic compounds, toxic by-products.

SECTION 11 TOXICOLOGICAL INFORMATION

If available, toxicity data for the product is given; otherwise component data is listed.

Acute Toxicity:	This product is not expected to be appreciably toxic. (Polymer) Oral LD50 (animal) > 5000 mg/kg (est.) (Butyl methacrylate) Oral LD50 (rat) > 2000 mg/kg; Dermal LD50 (rabbit) > 2000 mg/kg; Inhalation LC50 (rat) 29 mg/L (4 hr)
Skin Corrosion / Irritation:	The product may be irritating to the skin. (Polymer) Non-irritating to skin (animal). (Butyl methacrylate) Moderately irritating to skin (rabbit).
Serious Eye Damage / Irritation:	The product may be irritating to the eyes. (Polymer) Non-irritating to eye (animal). (Butyl methacrylate) Slightly irritating to eye (rabbit).
Respiratory or Skin Sensitization:	The product may be dermally sensitizing. (Polymer) No data. (Butyl methacrylate) Dermal sensitizing (mouse local lymphnode assay and guinea pig).
Mutagenicity:	This product is not expected to be mutagenic. (Polymer) No data. (Butyl methacrylate) Not mutagenic (Ames test, mammalian cell gene mutation assay, in vitro mammalian chromosome aberration test and micronucleus assay).
Carcinogenicity:	This product is not expected to be carcinogenic. (Polymer) No data. (Butyl methacrylate) In 2-year carcinogenicity studies (rat – oral administration and by inhalation), there was no evidence of carcinogenic activity.
Reproductive / Developmental Toxicity:	This product is not expected to be developmentally harmful. (Polymer) No data. (Butyl methacrylate) Fetotoxicity, but no teratogenicity, was observed in rats at maternally toxic levels (by inhalation at concentrations up to 1200 ppm). The NOAEL for developmental toxicity was 300 ppm.
Chronic/Subchronic Toxicity: Specific Target Organ/Systemic Toxicity – Single Exposure:	(Polymer) No data. (Butyl methacrylate) No data.
Chronic/Subchronic Toxicity: Specific Target Organ/Systemic Toxicity – Repeated Exposure:	(Polymer) No data. (Butyl methacrylate) No data.
Aspiration Hazard:	This product does not pose an appreciable aspiration hazard.
Additional Information:	None.

SECTION 12 ECOLOGICAL INFORMATION

If available, ecological data for the product is given; otherwise component data is listed.

Acute Ecotoxicity:	This product may be harmful to aquatic species. (Polymer) Not expected to be acutely toxic to aquatic organisms. (Butyl methacrylate) LC50 (Fathead minnow) 11 mg/l/96 hr; LC50 (Japanese rice fish) 5.57 mg/l/96 hr; EC50 (Daphnia magna) 25.4 mg/l/48 hr; EC50 (algae) 31.2 mg/l/72 hr.
Mobility:	(Polymer) Expected to have low soil mobility. (Butyl methacrylate) Expected to have high mobility based upon an estimated Koc of 55.
Persistence/Degradability:	(Polymer) No data. (Butyl methacrylate) Readily biodegradable (88% in 28 days).
Bioaccumulation:	(Polymer) No data. (Butyl methacrylate) An estimated BCF of 37 suggests the potential for bioconcentration in aquatic organisms is moderate.
Other adverse effects:	None.

SECTION 13 DISPOSAL CONSIDERATION

Environmental precautions:	Prevent the material from entering drains or water courses. Do not discharge directly to a water source. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.
Product Disposal:	Dispose in accordance with all local, state (provincial), and federal regulations. Under RCRA, it is the responsibility of the product's user to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because the product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.
Container Disposal:	Do not remove label until container is thoroughly cleaned. Empty containers may contain hazardous residues. This material and its container must be disposed of in a safe way.

SECTION 14 TRANSPORT INFORMATION

DOT (US):

Proper Shipping Name:	n-Butyl methacrylate, stabilized mixture Not regulated for "limited quantities" of 5-L or less in combination packagings per 49 CFR §173.150.
UN Number:	UN2227
Class:	3
Packaging Group:	III
Reportable Quantity:	None.
Marine Pollutant:	None.

IATA:

Proper Shipping Name:	n-Butyl methacrylate, stabilized mixture NOTE: Excepted quantities permitted (30-ml or less inner packaging).
UN Number:	UN2227
Class:	3

SECTION 14 TRANSPORT INFORMATION

Packing Group:	III
IMDG:	
Proper Shipping Name:	n-Butyl methacrylate, stabilized mixture
UN Number:	UN2227
Class:	3
Packing Group:	III
Marine Pollutant:	None.

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

SECTION 15 REGULATORY INFORMATION

US Toxic Substance Control Act:	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Canadian Domestic Substance List:	All components of this product are listed on the Canadian Domestic Substance List.
EU REACH:	All components of this product have been pre-listed or exempted under REACH.
TSCA Sec. 12(b) Export Notification:	This product does not contain a chemical at or above de minimis concentrations which requires reporting.
Canadian WHMIS Classification:	B.3; D.2.B This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.
Massachusetts Right-To-Know:	This product contains materials subject to disclosure under the Massachusetts Right-To-Know Law: - Butyl methacrylate
New Jersey Right-To-Know:	This product contains materials subject to disclosure under the New Jersey Right-To-Know Law: - Butyl methacrylate (0291)
Pennsylvania Right-To-Know:	This product contains materials subject to disclosure under the Pennsylvania Right-To-Know Law: - Butyl methacrylate
California Proposition 65:	This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.
SARA TITLE III-Section 311/312 Categorization (40 CFR 370):	Fire, immediate (acute) hazard
SARA TITLE III-Section 313 (40 CFR 372):	This product does not contain materials which are listed in Section 313 at or above de minimis concentrations.
CERCLA Hazardous Substance (40 CFR 302)	This product does not contain materials subject to reporting under CERCLA and Section 304 of EPCRA.
Water Hazard Class (WGK):	This product is slightly water-endangering (WGK=1).
Other Chemical Inventories:	Australia (AICS): All components are listed. China (IECSC): All components are listed.

SECTION 15 REGULATORY INFORMATION

Japan (ENCS): All components are listed.
 Korea (KCI): All components are listed.
 Philippines (PICCS): All components are listed.

SECTION 16 OTHER INFORMATION

NFPA Rating - HEALTH: 1
 NFPA Rating - FIRE: 2
 NFPA Rating - REACTIVITY: 1
 NFPA Rating - SPECIAL: NONE
 SDS Date Issued: February 20, 2017
 SDS Current Version: 1.0 Version Date: February 20, 2017
 SDS Revision History: v1.0 Initial version.

Abbreviations:

GHS: Globally Harmonized System of Classification and Labeling of Chemicals
 CAS#: Chemical Abstract Services Number
 ACGIH: American Conference of Governmental Industrial Hygienists
 OSHA: Occupational Safety and Health Administration
 NFPA: National Fire Protection Association
 DOT: US Department of Transportation
 RCRA: US Resource Conservation and Recovery Act
 TLV: Threshold Limit Value
 TWA: Time-Weighted Average
 PEL: Permissible Exposure Limit
 STEL: Short Term Exposure Limit
 WEEL: Workplace Environmental Exposure Levels
 AIHA: American Industrial Hygiene Association
 NTP: National Toxicology Program
 IARC: International Agency for Research on Cancer
 R: Risk
 S: Safety
 LD50: Lethal Dose 50%
 LC50: Lethal Concentration 50%
 EC50: Effective Concentration 50%
 BCF: Bioconcentration Factor
 BOD: Biological Oxygen Demand
 Koc: Soil Organic Carbon Partition Coefficient.
 TIm: Median Tolerance Limit

Key References: United States National Library of Medicine's TOXNET
 Patty's Toxicology, 5th Edition
 European Commission's Institute for Health and Consumer Protection
 American Conference of Governmental Industrial Hygienists
 International Agency for Research on Cancer
 United States National Toxicology Program
 United States Occupational Safety and Health Administration
 United States Department of Transportation
 Supplier Material Safety Data Sheets

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SECTION 16 OTHER INFORMATION

foregone on reliance upon such data.

Prepared by:

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