

SAFETY DATA SHEET

This form complies with OSHA Hazardous Communication Standard, 29 CFR 1910.1200.

SECTION 1- Product and Company Identification

Product: Breakthrough®

Synonyms: 6850PHM00002540, 6850PHM00009800, 6850PHM00010318, 4250015959601.

Company Identification:

Inland Technology Incorporated • 401 East 27th Street • Tacoma, WA 98421

Product Information: 1-800-552-3100

Transportation Emergencies: 1-800-255-3924

Date: January 7, 2016

SDS No. G16063

Product Number: FB245

SECTION 2 – Hazards Identification

CLASSIFICATION:

Flammable liquid: Category 4.

Aspiration toxicant: Category 1.

LABEL:

Pictogram:



Signal Word: Danger

Hazard Statements:

H227: Combustible liquid. H304: May be fatal if swallowed and enters airways.

Precautionary Statements:

Prevention: P210: Keep away from flames and hot surfaces. -- No smoking. P280: Wear protective gloves and eye / face protection.

Response: P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting. P370 + P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish.

Storage: P403 + P235: Store in a well-ventilated place. Keep cool. P405: Store locked up.

Disposal: P501: Dispose of contents and container in accordance with local regulations.

SECTION 3 – Composition/Information on Ingredients

COMPONENTS	CAS #	Concentration
C12-C13 Paraffinic Hydrocarbons, Hydrotreated	64742-48-9	proprietary

SECTION 4 – First Aid Measures

Emergency and First-Aid Procedures:

Eye Contact: Flush with water for at least 15 minutes.

SAFETY DATA SHEET: Breakthrough®

Skin: In case of skin contact, remove any contaminated clothing and wash thoroughly with soap and water.

Inhalation: If overcome by vapor, remove from exposed area and call physician immediately.

Ingestion: DO NOT induce vomiting; call physician immediately. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

If conditions persist, get medical attention.

SECTION 5 - Fire Fighting Measures

Flash point: 150°F PMCC

Flammable Limits: - LEL: .8% UEL: 7%

Autoignition Temperature: 635°F

Extinguishing Media: Foam, water spray (fog), dry chemical, carbon dioxide. Straight stream of water is inappropriate extinguishing media.

Special Fire Fighting Procedures: Wear air supplied breathing equipment for enclosed and confined spaces or as otherwise needed. Use water to cool container. Water may not extinguish the fire.

Unusual Fire and Explosion Hazards: None known.

SECTION 6 - Accidental Release Measures

Steps to Take in Case Material is Released: Shut off and eliminate all ignitable sources. Stop leak. Contain and collect material. Absorb residue.

SECTION 7 - Handling and Storage

Handling: Avoid contact with skin. Keep away from heat, sparks, and open flame.

Handling temperature and pressure: Ambient

Static Accumulator: This material is a static accumulator. To reduce potential for static discharge, bond and ground containers when transferring material.

Storage: Store away from heat, sparks, and open flame. Keep container sealed when not in use.

Storage temperature and pressure: Ambient

Suitable storage materials and coatings: Carbon steel, stainless steel, most metal containers.

SECTION 8 – Exposure Controls/Personal Protection

COMPONENTS	CAS #	PEL	TLV	OTHER
C12-C13 Paraffinic Hydrocarbons	64742-48-9	Not listed	Not listed	

Engineering Controls

Ventilation: Mechanical ventilation not normally required unless product is heated and/or is atomized in a confined space.

Other Engineering Controls: Eye wash or sterile eye rinse. Keep container closed. Do not store near heat, flame, or other ignition sources.

Work Practices: Read and understand all cautions, labels, and MSDS before using this product.

Hygiene Practices: Do not have food or drink in the vicinity. Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Wash contaminated clothing before reuse.

SAFETY DATA SHEET: Breakthrough®

Personal Protection Equipment

Respirator: None normally required.

Gloves: Use chemical resistant gloves.

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Other Protective Equipment: None normally required.

SECTION 9 – Physical/Chemical Properties

Appearance: Clear

Initial Boiling Point: 370°F

Vapor Pressure (@ 20°C in mmHg): 0.1

Evaporation Rate (n-Butyl Acetate=1): <0.1

Volatile by Volume: 100%

Flash point: 150°F PMCC

Flammable Limits: - LEL: 8%

Odor threshold: N/D

Viscosity: 1.56 cSt

Odor: odorless

Specific Gravity (H₂O=1): .77

Vapor Density (air=1): >5

Solubility: Not water soluble

Melting/freezing point: N/A

Autoignition Temperature: 635°F

Flammable Limits:UEL: 7%

pH: N/A

Log Pow (nOctanol/water): N/D

SECTION 10 – Stability and Reactivity Data

Reactivity: non-reactive.

Chemical Stability: Stable under normal conditions

Hazardous Reactions: Will not occur

Conditions to Avoid: Avoid heat sparks, open flames and other ignition sources.

Material to avoid: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: CO_x and hydrocarbons

SECTION 11 – Toxicological Information

Signs and Symptoms of Overexposure

Acute Health Effects: Product contacting eyes may cause mild eye irritation. Low order of acute dermal toxicity.

Chronic Health Effects: Prolonged or repeated skin exposure can lead to mild irritation.

Carcinogenic Ingredients: None

Primary Routes of Entry: Eyes and inhalation.

Medical Conditions Aggravated by Exposure: May aggravate existing dermatitis.

Oral LD50	>10 gm/kg
Dermal LD50	>3 gm/kg
Inhalation LC50	>5mg/l

SECTION 12 – Ecological Information

Ecotoxicological Information:

SAFETY DATA SHEET: Breakthrough®

LC50/EC50 (Golden Orfe) 48hours

>1000 ppm

This material is classified as oil by the CWA/OPA.

Do not discharge this product into public waters or waterways unless authorized by a National Pollution Discharge Elimination System (NPDES) permit issued by the Environmental Protection Agency (EPA).

Mobility:

Material is volatile and will partition rapidly to air. The material is insoluble in water. If released to water the product will float. Not expected to partition to sediment and wastewater solids.

Persistence and degradability:

This material is expected to biodegrade at a moderate rate and be 'inherently' biodegradable. This product can degrade rapidly in air.

Bio-accumulation: Product is not expected to bioaccumulate. No acute toxicity to aquatic organisms is expected at the maximum water solubility of this product.

See additional information in sections 6, 13, & 15.

SECTION 13 – Disposal Considerations

Waste Disposal Method: Contact federal, state, county or local environmental regulatory agencies for guidance. This material is considered non-hazardous by RCRA. See Section 15 for further regulatory concerns.

SECTION 14 – Transportation Information

Land transport DOT

Containers of 119 gallons capacity or less: this product is not regulated by DOT.

DOT Class: Not regulated

Containers of 120 gallon capacity or more:

DOT Class: Combustible Liquid

ID-Number: NA1993

Packaging group: III

Proper Shipping Name: Combustible Liquid

Technical Name: (paraffinic hydrocarbons)

Maritime transport IMDG: Not regulated

Air transport IATA: Not regulated

Note: This product is not typically sold in container larger than 55 gallons. In containers of 119 gallons capacity or less, this product is not regulated by DOT.

SECTION 15 – Regulatory Information

EPCRA: This material contains no extremely hazardous substances.

SAFETY DATA SHEET: Breakthrough®

CERCLA (Superfund): This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

SARA (301-304): No TPQ for product or any constituents.

SARA (311/312): Reportable Hazard Categories: Fire.

SARA (313) TRI: This material contains no toxic chemicals subject to the reporting requirements of the Toxic Release Program.

RCRA: This material is considered non-hazardous by characteristic.

RCRA: This material contains no hazardous chemicals listed under RCRA lists or TCLP.

OSHA: Combustible

TSCA: All components of this product are listed on the TSCA inventory, listed CAS# 64742-48-9. This product does not contain any polychlorinated biphenyls.

CWA/OPA: This product is classified as oil under Section 311 of the Clean Water Act and the Oil Pollution Act of 1990.

SECTION 16 – Other Information

NFPA Hazard code: Health: 1 Flammability: 2 Reactivity: 0

HMIS Hazard code: Health: 1 Flammability: 2 Reactivity: 0

Keep All Chemicals Out of the Reach of Children.

The information and recommendations contained herein are presented in good faith and believed to be correct and reliable to the best of Inland Technology's knowledge. Inland Technology, or its distributors, do not warrant or guarantee reliability, and shall not be liable for any loss or damage arising out of the use thereof. Contact Inland Technology to confirm, in advance of need, that the information is current, applicable, and suitable to each circumstance.

SAFETY DATA SHEET: Breakthrough®

LABEL:

Breakthrough®



Danger

Combustible liquid. May be fatal if swallowed and enters airways.

Keep away from flames and hot surfaces. No smoking. Wear protective gloves and eye / face protection.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish.

Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with local regional, and national regulations.

Inland Technology Inc. 401 East 27th Street, Tacoma, WA 98421. 253-383-1177