



Industrial Raw Materials LLC

Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: IndraAlpha
Product Description: Alpha Olefin Wax
Product Code(s): Indra Alpha(s) (for list of product names / codes see Annex)
Intended Use: Wax

COMPANY IDENTIFICATION

Supplier: Industrial Raw Materials LLC
39 West Mall
Plainview NY 11803 USA

24 Hour Health Emergency 212-688-8080
Transportation Emergency Phone 212-246-0205
Product Technical Information 212-688-8080
SDS Internet Address <http://irmwax.com>

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

Emergency Overview

Form: Wax, Solid
Physical state: Solid
Color: White
OSHA Hazards: No OSHA Hazards

Classification: Not a hazardous substance or mixture

Labeling: Not a hazardous substance or mixture

Carcinogenicity:

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP
ACGIH	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Alpha Olefin Wax (for list of product names / CAS numbers see Annex)

Contains no hazardous ingredients according to GHS.

SECTION 4**FIRST AID MEASURES****GENERAL ADVICE**

Do not leave the victim unattended.

INHALATION

If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

SKIN CONTACT

If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.

EYE CONTACT

Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

IF SWALLOWED

Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

SECTION 5**FIRE FIGHTING MEASURES****EXTINGUISHING MEDIA**

Appropriate Extinguishing Media: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Inappropriate Extinguishing Media: High volume water jet.

FIRE FIGHTING

Wear self-contained breathing apparatus for firefighting if necessary.
Provide appropriate exhaust ventilation at places where dust is formed.

Hazardous Combustion Products: Oxides of carbon,

FLAMMABILITY PROPERTIES

Flash Point [Method: ASTM D-93]: 204 - 232°C (399 - 450°F)

Autoignition Temperature: 249 - 391°C (480 - 736°F)

SECTION 6**ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

METHODS FOR CLEANING UP

Keep in suitable, closed containers for disposal.

SECTION 7**HANDLING AND STORAGE****HANDLING**

Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Provide appropriate exhaust ventilation at places where dust is formed.

STORAGE

Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment

Respiratory protection	Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure.
Hand protection	The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	Eye wash bottle with pure water. Tightly fitting safety goggles.
Skin and body protection	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate: Lightweight protective clothing.
Hygiene measures	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications.

GENERAL INFORMATION

Physical State: Solid
Color: White

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative Density (at 15.6°C): 0.8
Flash Point [Method: ASTM D-93]: 204 - 232°C (399 - 450°F)
Autoignition Temperature: 249 - 391°C (480 - 736°F)
Boiling Point / Range: 330 - 430°C (626 - 806°F)
Vapor Pressure: < 0.01 kPa at 65°C (149°F)
Evaporation Rate: N/A
pH: N/A
Log Pow (n-Octanol/Water Partition Coefficient): No data available
Solubility in water: Soluble in hydrocarbon solvents; insoluble in water.

Viscosity: 2.5 – 9.0 cSt at 99°C (210°F)
Oxidizing Properties: See Hazards Identification Section
Melting Point: 51 - 63°C (125 - 145°F)

SECTION 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

CONDITIONS TO AVOID: No data available.

MATERIALS TO AVOID: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides

OTHER DATA: No decomposition if stored and applied as directed.

SECTION 11	TOXICOLOGICAL INFORMATION
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Acute oral toxicity:	LD50: > 5.0 g/kg Species: Rat Information given is based on data obtained from similar substances.
Acute inhalation toxicity	Presumed Not Toxic Information given is based on data obtained from similar substances
Acute dermal toxicity	LD50: > 2.0 g/kg Information given is based on data obtained from similar substances
Aspiration toxicity	No aspiration toxicity classification.

SECTION 12	ECOLOGICAL INFORMATION
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Elimination information (persistence and degradability)

Biodegradability: This material is not expected to be readily biodegradable.

Ecotoxicology Assessment

This material is not expected to be harmful to aquatic organisms., Information given is based on data on the ingredients and the ecotoxicology of similar products.

SECTION 13	DISPOSAL CONSIDERATIONS
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The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product

Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging

Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14	TRANSPORT INFORMATION
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The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15	REGULATORY INFORMATION
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National legislation

SARA 311/312 Hazards: No SARA Hazards

EPCRA – EMERGENCY PLANNING COMMUNITY RIGHT – TO – KNOW

CERCLA Reportable Quantity	This material does not contain any components with a CERCLA RQ
SARA 302 Reportable Quantity	This material does not contain any components with a SARA RQ
SARA 302 Threshold Planning Quantity	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 304 Reportable Quantity	This material does not contain any components with a section 304 EHS RQ.
SARA 313 Ingredients	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

Ozone-Depletion Potential

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

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

US State Regulations

Pennsylvania Right To Know	No components are subject to the Pennsylvania Right to Know Act
New Jersey Right To Know	No components are subject to the New Jersey Right to Know Act.
California Prop. 65 ingredients	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects

Notification status

Europe REACH: This mixture contains only ingredients which have been registered according to Regulation (EU) No. 1907/2006 (REACH)

United States of America TSCA: On TSCA inventory

Canada DSL: All components of this product are in the Canadian DSL

Australia AICS: Not in compliance with the inventory

New Zealand NZIoC: On the inventory, or in compliance with the inventory

Japan ENCS: On the inventory, or in compliance with the inventory

Korea KECI: On the inventory, or in compliance with the inventory

Philippines PICCS: On the inventory, or in compliance with the inventory

China IECSC: On the inventory, or in compliance with the inventory

SECTION 16	OTHER INFORMATION
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NFPA Classification

Health Hazard: 0

Fire Hazard: 1

Reactivity Hazard: 0

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

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|---------------|------------------|-------------------|-------------|
| 1 = ACGIH ALL | 6 = TSCA 5a2 | 11 = CA P65 REPRO | 16 = MN RTK |
| 2 = ACGIH A1 | 7 = TSCA 5e | 12 = CA RTK | 17 = NJ RTK |
| 3 = ACGIH A2 | 8 = TSCA 6 | 13 = IL RTK | 18 = PA RTK |
| 4 = OSHA Z | 9 = TSCA 12b | 14 = LA RTK | 19 = RI RTK |
| 5 = TSCA 4 | 10 = CA P65 CARC | 15 = MI 293 | |

Code key: CARC=Carcinogen; REPRO=Reproductive

N/D = Not determined, N/A = Not applicable

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Updates made in accordance with implementation of GHS requirements.

Revision date: June 10, 2016

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Annex: Product List

Product name	CAS number
IndraAlpha 2440 (Indrawax 8070)	93924-11-9
IndraAlpha 2628 (Indrawax 8075-OFT)	18835-33-1 / 18835-34-2
IndraAlpha 3050 (Indrawax 8080)	131459-42-2
IndraAlpha 3056 (Indrawax 8085)	260255-62-7