



HARWICK
S T A N D A R D

Safety Data Sheet
RESINEX[®] 100F
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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: RESINEX[®] 100F

Chemical Name: Hydrocarbon Resin

Recommended Use: Industrial chemical

Recommended Restrictions: None known.

Manufactured for and supplied by:

Supplier: Harwick Standard Distribution Corporation

Supplier Address: 60 S. Seiberling Street, Akron, OH 44305

Contact: Health, Safety & Environment

Telephone: 330-798-9300

Website: www.harwickstandard.com

SECTION 2 – HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture:

Combustible Dust

GHS Label Elements:

Hazard symbol: None
Signal word: Warning

Hazard Statements:

May form combustible dust concentrations in air.

Precautionary Statements:

Prevention: None needed according to classification criteria.
Response: None needed according to classification criteria.
Storage: None needed according to classification criteria.
Disposal: Dispose of contents/container in compliance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: None

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS



Substance/mixture:

<u>Components</u>	<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Weight%</u>
Petroleum hydrocarbon resin		68131-77-1	*
Distillates, petroleum, hydrotreated heavy naphthenic		64742-52-5	*
Inhibitor (BHT)		128-37-0	0.25

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Naphtha

Contaminants:

Naphthalene (CAS No.91-20-3) is contained in raw materials as a non-reactive, non-intentional material. This product typically contains less than 500 parts per million of naphthalene.

SECTION 4 – FIRST AID MEASURES

Eye contact: Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.

Inhalation: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin contact: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get immediate medical attention, if needed. Thoroughly clean and dry contaminated clothing before reuse.

Ingestion: Call a Poison Center or doctor/physician if you feel unwell. Rinse mouth.

Most important symptoms/effects, acute and delayed:

Acute: Mild skin irritation. No information on significant adverse effects.

Delayed: No information on significant adverse effects.

Indication of immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method: Dry chemical, carbon dioxide (CO₂), foam, water spray.

Unsuitable extinguishing method: Do not use high-pressure water streams.



Specific hazards arising from chemical:

Warning!

Handling this material may create combustible dust which may be hazardous when finely divided and suspended in air. Combustible dust clouds can explode with destructive forces if ignited. Combustible dust clouds can be ignited by all common ignition sources including static electricity. Follow recognized grounding and bonding procedures. Keep away from heat, hot surfaces, sparks and open flame. Use with adequate ventilation. Minimize dust accumulation on surfaces.

Combustion Products: Oxides of carbon, carbon monoxide, hydrocarbons.

Special firefighting equipment and precautions for firefighters: Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Firefighting equipment/instructions: Keep away from sources of ignition - No smoking. Avoid inhalation of material or combustion by-products. Move material from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate personal protective equipment recommended in Section 8 of the SDS. Keep unnecessary people away, isolate hazard area and deny entry. Avoid contact with skin and eyes. Avoid release to the environment. Only personnel trained for the hazards of this material should perform clean up and disposal.

Methods and materials for containment and cleaning up:

Avoid generating dust. Use non-sparking tools and equipment. Keep unnecessary people away, isolate hazard area and deny entry. Absorb with sand or other non-combustible material. Keep out of water supplies and sewers. Collect spilled material in appropriate container for disposal. Do not allow to enter into ground-water, surface water or drains.

Environmental precautions: Avoid generating dust. Avoid release to the environment

SECTION 7 - HANDLING AND STORAGE



Precautions for safe handling:

Do not handle until all safety precautions have been read and understood. Keep away from all ignition sources. Do not breathe dust. Use methods to minimize dust. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see Section 8. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Take precautionary measures against static discharge. Dissipate static electricity during transfer by earthing (grounding and bonding) containers and equipment.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry place. Store in a well-ventilated area. Avoid contact with molten material. Keep separated from incompatible substances. Keep container tightly closed. Empty containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning. Store and handle in accordance with all current regulations and standards.

Incompatibles: Strong oxidizing materials

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits:

Naphthalene	91-20-3
ACGIH	10 ppm TWA
	15 ppm STEL
	Skin - potential significant contribution to overall exposure by the cutaneous route
NIOSH	10 ppm TWA; 50 mg/m ³ TWA
	15 ppm STEL; 75 mg/m ³ STEL
	250 ppm IDLH
Europe	10 ppm TWA; 50 mg/m ³ TWA
OSHA (US)	10 ppm TWA; 50 mg/m ³ TWA
Mexico	10 ppm TWA LMPE-PPT; 50 mg/m ³ TWA LMPE-PPT
	15 ppm STEL [LMPE-CT]; 75 mg/m ³ STEL [LMPE-CT]



Resin	Petroleum Hydrocarbon Resin inhalable & respirable particles & dust
ACGIH:	10 mg/m ³ TWA (inhalable particles, recommended);
	3 mg/m ³ TWA (respirable particles, recommended),
	related to Particulates not otherwise classified (PNOC))
OSHA:	10 mg/m ³ TWA (total dust);
	5 mg/m ³ TWA (respirable dust)
	(respirable fraction, related to Particulates not otherwise classified (PNOC))

Biological limit values: There are no biological limit values for any of this product's components.

Appropriate engineering controls: Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear splash resistant safety goggles with a face shield.

Skin protection:

Hand protection: Wear appropriate chemical resistant gloves. Recommended material: cotton, leather, rubber, neoprene.

Other protection: Wear appropriate chemical resistant clothing

Respiratory protection: A NIOSH approved respirator with organic vapor cartridges and N95 filters may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Solid Amber Flake, Pastille
Odor: Petroleum
Odor threshold: Not available
Softening Point: 103 ± 5
pH: Not available
Melting Point/Freezing Point: Not available
Initial Boiling Point/Range: Not available
Flash Point: ≈400°F
Evaporation Rate: Not available



OSHA Flammability	Combustible Solid
Explosion Limits (LEL/UEL):	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	Not available
Specific Gravity (water = 1):	Approximately 1.07 @25°C
Molecular weight:	Approximately 445
Solubility (water):	Not available
Partition Coefficient:	Not available
(n-octanol/water)	
Auto-ignition Temperature:	360°C (Approximately)
Decomposition Temperature:	Not available
Viscosity:	Not available
Minimum Explosive Concentration:	10 to 20 g/m ³ (MEC)
KSt-value (bar x m/s):	282 – 344 bar.m/s
VOC:	Not available

SECTION 10 - STABILITY & REACTIVITY

Reactivity: None known.

Chemical stability: Stable at normal temperature and pressure.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible materials: Oxidizing materials, combustible materials.

Hazardous decomposition products: Oxides of carbon, carbon monoxide, hydrocarbons.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Ingestion:	No information on significant adverse effects.
Inhalation:	Inhalation of dust may irritate upper respiratory tract.
Skin Contact:	May cause irritation.
Eye Contact:	Causes eye irritation.

Acute and Chronic Toxicity

Component Analysis-LD50/LC50



The components of this material have been reviewed in various sources and the following selected endpoints are published:

Naphthalene (91-20-3)

Oral LD50 (Rat)-1110 mg/kg

Dermal LD50 (Rat)-1120 mg/kg

Inhalation LC50 (Rat)->340 mg/m³ 1h

Immediate Effects: No information on significant adverse effects.

Delayed Effects: No information on significant adverse effects.

Medical Conditions Aggravated by Exposure: No information on significant adverse effects.

Skin irritation/Corrosion: Eye irritation; Mild skin irritation

Respiratory or Skin Sensitization: No data available

Germ cell Mutagenicity: No data available

Carcinogenicity:

Component Carcinogenicity

CAS # 64742-52-5	Distillates, petroleum, hydrotreated heavy naphthenic
ACGIH:	A2 – Suspected Human Carcinogen (related to Untreated and mildly treated oils)
IARC:	Monograph 100F [2012]; Supplement 7 [1987]; Monograph 33 [1984] (related to Untreated and mildly-treated oils) (Group 1 (carcinogenic to humans))
OSHA:	Present (related to Untreated and mildly-treated oils)
CAS # 91-20-3	Naphthalene
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 53 [1991] (related to Non-arsenical insecticides) (Group 2A (probably carcinogenic to humans))
IARC:	Monograph 82 [2002] (Group 2B (possibly carcinogenic to humans))
NTP:	Reasonably Anticipated to be a Human Carcinogen
DFG:	Category 2 (considered to be carcinogenic for man)
OSHA:	Present

Reproductive toxicity: No data available

Specific target organ toxicity-single exposure: No data available

Specific target organ toxicity-repeated exposure: No data available

Aspiration hazard: No data available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: May be harmful to aquatic life.



Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

Component Analysis - Aquatic Toxicity

CAS # 64742-52-5	Distillates, petroleum, hydrotreated heavy naphthenic
Fish:	LC50 96 h Oncorhynchus mykiss >5000 mg/L
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L IUCLID
CAS # 91-20-3	Naphthalene
Fish:	LC50 96 h Pimephales promelas 5.74 – 6.44 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 1.6 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 0.91 – 2.82 mg/L [static]; LC50 96 h Pimephales promelas 1.99 mg/L [static]; LC50 96 h Lepomis macrochirus 31.0265 mg/L [static]
Invertebrate:	EC50 48 h Daphnia magna 2.16 mg/L IUCLID; EC50 48 h Daphnia magna 1.96 mg/L [flow-through] EPA; EC50 48 h Daphnia magna 1.09 – 3.4 mg/L [static] EPA;

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of contents/container in compliance with local/regional/national/international regulations.

Disposal of Contaminated Packaging: Dispose of waste material according to local, state, federal and provincial environmental regulations.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT Classification: Not DOT regulated.

SECTION 15 - REGULATORY INFORMATION

U.S. Federak:

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.



Naphthalene	91-20-3
SARA 313	0.1% de minimis concentration
CERCLA	100 lb final RQ; 45.4 Kg final RQ

SARA Section 311/312

Acute Health: No
 Chronic Health: Yes
 Fire: No
 Pressure: No
 Reactive: No

US California Prop 65: Warning! This product contains a chemical known to the State of California to cause cancer.

Naphthalene	91-20-3
Carc:	Carcinogen, initial date 4/19/02

Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Petroleum Hydrocarbon Resin	68131-77-1	Yes	DSL	Yes**	Yes	Yes	No	Yes	Yes	Yes
Distillates, petroleum, hydrotreated heavy naphthenic	64742-52-5	Yes	DSL	EIN #	Yes	Yes	Yes	Yes	Yes	Yes
Inhibitor	128-37-0	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes

** List of pre-registered substances RLN EC No.: 614-301-5

List of registered substances RLN EC No.: 265-155-0

SECTION 16 - OTHER INFORMATION

Issue date: 10-30-2015

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