



Recover

SAFETY DATA SHEET

Version

1.7

Revision Date

10.26.2022

Energy Catalyst International Incorporated

11700 West Charleston Blvd, #170-803

Las Vegas, NV 89135 USA

Sales: +1 206 485 5586

Technical Assistance: +1 925 202 7888

www.EnergyCatalystInternational.com

TABLE OF CONTENTS

1.	Identification of the substance and the manufacturer	4
1.1.	Product Identifiers	4
1.2.	Relevant identified uses of the substance or mixture and uses advised against.....	4
1.3.	Supplier	4
1.4.	Emergency telephone	4
2.	Hazards identification	5
2.1.	Classification of mixture.....	5
2.2.	Label elements	5
2.3.	Hazards not otherwise classified (HNOC) or not covered by GHS	6
3.	Composition/ Information about ingredients	7
3.1.	Substances	7
4.	First aid measures	8
4.1.	Description of first aid measures	8
4.2.	Most important symptoms and effects, both acute and delayed	8
4.3.	Indication of any immediate medical attention and special treatment needed	8
5.	Firefighting measures.....	9
5.1.	Extinguishing media	9
5.2.	Advice for firefighters	9
5.3.	Further information	9
6.	Accidental release measures.....	10
6.1.	Personal precautions, protective equipment, and emergency procedures	10
6.2.	Environmental precautions.....	10
6.3.	Methods and materials for containment and cleaning up	10
6.4.	Reference to other sections.....	10
7.	Handling and storage	11
7.1.	Precautions for safe handling	11
7.2.	Conditions for safe storage, including any incompatibilities	11
7.3.	Specific end use(s).....	11
8.	Exposure controls/personal protection	12
8.2.	Exposure Control.....	14
9.	Physical and chemical properties	17
9.1.	Information on basic physical and chemical properties	17
10.	Stability and reactivity.....	18
10.1.	Reactivity.....	18

10.2.	Chemical stability	18
10.3.	Possibility of hazardous reactions.....	18
10.4.	Conditions to avoid	18
10.5.	Incompatible materials	18
10.6.	Hazardous decomposition products	18
11.	Toxicological information	19
11.1.	Acute toxicity -Category 3	19
11.2.	Skin corrosion/irritation	19
11.3.	Serious eye damage/eye irritation.....	19
11.4.	Respiratory or skin sensitization	19
11.5.	Germ cell mutagenicity	19
11.6.	Carcinogenicity.....	19
11.7.	Reproductive toxicity	20
11.8.	Specific target organ toxicity - single exposure	20
11.9.	Specific target organ toxicity - repeated exposure	20
11.10.	Aspiration hazard	20
12.	Ecological information.....	21
12.1.	Toxicity	21
12.2.	Persistence and degradability	21
12.3.	Bio accumulative potential	21
12.4.	Mobility in soil.....	21
12.5.	Results of PBT and vPvB assessment	21
12.6.	Other adverse effects.....	21
13.	Disposal considerations.....	23
13.1.	Waste treatment methods.....	23
14.	Transport information	24
15.	Regulatory information	25
15.1.	Safety, health, and environmental regulations/legislation specific for the substance or mixture	25
16.	Other information	27
16.1.	This safety data sheet supersedes all previous versions.....	27
16.2.	List of abbreviations.....	27

1. Identification of the substance and the manufacturer**1.1. Product Identifiers**

Product Name Recover

Product Code REC

Registration No

Index Numbers 649-032-00-2
649-308-00-2

ES Numbers 272-184-2
273-271-8

ES Names: IUPAC Gas oils (petroleum), heavy atmospheric
Naphtha (petroleum), catalytic reformed

CAS Numbers 68783-08-4
68955-35-2

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified use Crude oil Storage Tank Cleaner and Solids Solvent
FOR PROFESSIONAL/INDUSTRIAL USE ONLY

Uses advised against Not specified

1.3. Supplier

Name and Address Energy Catalyst International Incorporated
11700 W. Charleston Blvd #170-308
Las Vegas, NV 89135

Contact Email James@EnergyCatalystInternational.com

Contact telephone +1 925.202.7888

1.4. Emergency telephone

CHEMTREC	Within USA and Canada	Outside USA and Canada
	+1 800-524-9300 (24/7)	+1 703-527-3887 (24/7)

END OF SECTION 1

2. Hazards identification

2.1. Classification of mixture

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Regulation (EC) 1272/2008

Category(s) Flammable Liquid and Vapor Category 2; 226
Aspiration Hazard Category 1, H304
Acute Toxicity, Dermal Category 2: H315
Reproduction toxicity Category 2: H361
STOT, Single Exposure Category 3: H336
STOT, Repeated Exposure Category 2: H373
Acute Toxicity, Aquatic Category 2: H401Pro
Chronic Toxicity, Aquatic Category 3: H412

Full text of the H-Statements can be seen in Section 16

The most important human health adverse effects during use of this mixture: toxic to skin and if swallowed.
Vapors severely irritate eyes and airways. Possible risk of impaired fertility.

2.2. Label elements

According to Regulation (EC) No. 1272/2008



Symbols

Signal word **DANGER**

Hazard statement(s)	H226.....Flammable liquid and vapor
	H304.....May be fatal if swallowed and enters airways
	H315.....Causes skin irritation
	H332.....Harmful if inhaled
	H335.....May cause respiratory irritation
	H373.....May cause damage to organs (Central nervous system, liver, kidney) through prolonged or repeated exposure if inhaled
	H401.....Toxic to aquatic life
	H412.....Harmful to aquatic life with long term effects
Precautionary statement(s)	P210Keep away from heat/sparks/open flames/hot surfaces. No smoking
	P233Keep container tightly closed

- P240Ground/bond container and receiving equipment
- P241Use explosion-proof electrical/ ventilating/ lighting equipment
- P242Use only non-sparking tools
- P243Take precautionary measures against static discharge
- P260Do not breathe dust/ fume/ gas/ mist/ vapours/ spray
- P264Wash skin thoroughly after handling
- P271Use only outdoors or in a well-ventilated area
- P273Avoid release to the environment
- P280Wear protective gloves/ eye protection/ face protection
- P301 + P310IF SWALLOWED Immediately call a POISON CENTER/doctor
- P303 + P361 + P353IF ON SKIN (or hair) Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+ P340 + P312IF INHALED Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P314Get medical advice/ attention if you feel unwell
- P331Do NOT induce vomiting
- P332 + P313If skin irritation occurs: Get medical advice/ attention
- P362Take off contaminated clothing and wash before reuse
- P370 + P378In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish
- P403 + P233Store in a well-ventilated place. Keep container tightly closed
- P403 + P235Store in a well-ventilated place. Keep cool
- P405Store locked up
- P501Dispose of contents/ container to an approved waste disposal plant

2.3. Hazards not otherwise classified (HNOC) or not covered by GHS

None. The substance is not identified as persistent, bio accumulative and toxic (PBT) or very persistent, very bio accumulative (vPvB) under Annex XIII of Regulation 1907/2006/ES.

END OF SECTION 2

3. Composition/ Information about ingredients

3.1. Substances

EC name / CAS name	Gas oils (petroleum), heavy atmospheric
EC description / CAS description	A complex combination of hydrocarbons obtained by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C35 and boiling in the range of approximately 121°C to 510°C (250°F to 950°F). 649-032-00-2
EC Number	272-184-2
CAS Number	6873-08-4
Index Number	649-032-00-2
Substance Content	Min. 99.0%
Synonyms	Heavy Alkanes
EC name / CAS name	Naphtha (petroleum), catalytic reformed
EC description / CAS description	Low boiling point cat-reformed naphtha [A complex combination of hydrocarbons produced by the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 30°C to 220°C (90°F to 430°F). It contains a relatively large proportion of aromatic and branched chain hydrocarbons. This stream may contain 10 vol. % or more benzene.] The substance used contains <0.1% benzene
EC Number	273-271-8
CAS Number	68955-35-1
Index Number	649-308-00-2
Substance Content	Min. 99.0%
Synonyms	Mix of Aromatic and branched hydrocarbons

This is a chemical mixture-Composition

Chemical Name	EC Number	CAS Number	% Content
Gas Oils (petroleum)	272-184-2	68783-08-4	30%-50%
Naphtha (petroleum)	273-271-8	68955-35-1	50%-70%

Mixture contains <0.1% Benzene

END OF SECTION 3

4. First aid measures

4.1. Description of first aid measures

General advice Consult a physician
 Show this material safety data sheet to the doctor in attendance
 Move out of dangerous area

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial
 respiration
 Consult a physician

In case of skin contact Wash off with soap and plenty of water
 Consult a physician

In case of eye contact Flush eyes with water as a precaution

If swallowed Do NOT induce vomiting
 Never give anything by mouth to an unconscious person
 Rinse mouth with water
 Consult a physician

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see Section 2.2) and/or in Section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

END OF SECTION 4

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.1.1. Special hazards arising from the substance or mixture

Carbon oxides

5.2. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.3. Further information

Use water spray to cool unopened containers.

END OF SECTION 5

6. Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment

Avoid breathing vapors, mist, or gas

Ensure adequate ventilation

Remove all sources of ignition

Evacuate personnel to safe areas

Beware of vapors accumulating to form explosive concentrations (vapors can accumulate in low areas)

For personal protection see Section 8

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so

Do not let product enter drains

Discharge into the environment must be avoided

6.3. Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet brushing

Place in container for disposal according to local regulations (see Section 13)

6.4. Reference to other sections

For disposal see Section 13

END OF SECTION 6

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes

Avoid inhalation of vapor or mist

Use explosion-proof equipment

Keep away from sources of ignition – NO SMOKING

Take measures to prevent the buildup of electrostatic charge

For precautions see Section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place

Containers which are opened must be carefully resealed and kept upright to prevent leakage

Storage class (TRGS 510): 3: Flammable liquids

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

END OF SECTION 7

8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Component	CAS-No	Value	Control parameters	Basis
Naphtha	68955-35-1	TWA	100 ppm 375 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants -1910.1000
		STEL	150 ppm 560 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants -1910.1000
		TWA	200 ppm	USA. OSHA - TABLE Z-1 Limits for Air Contaminants -1910.1000
	Remarks	Z37.12-1967		
		CEIL	300 ppm	USA. Occupational Exposure Limits (OSHA) Table Z-2
		Z37.12-1967		
		Peak	500 ppm	USA. Occupational Exposure Limits (OSHA) Table Z-2
		Z37.12-1967		
		TWA	20 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Visual impairment	Female reproductive Pregnancy loss 2018 Adoption	Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Not classifiable as a human carcinogen
		TWA	375 mg/m ³	USA. NIOSH Recommended Exposure Limits
		ST	150 ppm 560 mg/m ³	USA. NIOSH Recommended Exposure Limits

Biological occupational exposure limits

Component	CAS-No	Parameters	Value	Biological Specimen	Basis
Naphtha	68955-35-1	Naphtha (heavy)	0.02 mg/l	In blood	ACGIH Biological Exposure Indices (BEI)
	Remarks		Prior to last shift of work week		
		Naphtha (heavy)	0.03 mg/l	Urine	ACGIH Biological Exposure Indices (BEI)
	Remarks		End of shift	as soon as possible after exposure ceases	
		O-Cresol	0.3mg/l Creatinin	Urine	ACGIH Biological Exposure Indices (BEI)
			End of shift	as soon as possible after exposure ceases	

Components with workplace control parameters

Czech Republic: PEL98-hour) NPK (15 minutes) =**20/40mg.m**

EU countries (2000/39/EC): Not established

Component	CAS-Nu	Value	Control parameters	Basis
Gas Oil	68783-08-2	TWA	100 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	300 ppm 1,050 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	300 ppm 1.050 mg/m3	USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants
		PEL	300 ppm 1,050 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

Country	Limit (8 hours)		Limit (15 minutes)	
	ppm	mg/m ³	ppm	mg/m ³
Austria	10	40	10	40
Belgium	10	42	--	--
Canada-Quebec	10	41	--	--
Denmark	10	40	20	80
France	10	40	--	--
Germany (AGS)	--	--	--	--
Germany (DFG)	2	8.2	4	16.4
Hungary	--	40	--	40
Poland	--	--	--	--
Spain	10	41	--	--
Sweden	5	20	10	40
Switzerland	2	8.2	4	16.4
USA-NIOSH	10	40	--	--
USA_OSHA	--	--	--	--
UK	10	41	--	--

Source: http://limitvalue.ifadguv.de/Webform_gw.aspx

8.1.1. DNEL (Derived No Effect Level) for exposure of workers

Acute exposure (systemic effects) inhalation: 258.2 mg/m³
 Acute exposure (systemic effects) dermal: 258.8 mg/kg of weight/day
 Acute exposure (local effects) inhalation: 258.2 mg/m³
 Acute exposure (local effects) dermal: not established
 Prolonged exposure (systemic effects) inhalation: 156.0 mg/m³
 Prolonged exposure (systemic effects) dermal: 206.4 mg/kg of weight/day
 Prolonged exposure (local effects) inhalation: 156.0 mg/m³
 Prolonged exposure (local effects) dermal: 216 mg/kg of weight/day

8.2. Exposure Control

Closed circuit When used in a closed circuit or with sufficient vapor exhaust, it is necessary to use standard personal protective equipment
 Open facility When used in an open facility and insufficient vapor exhaust (CHA concentration > DNEL inhalation), it is necessary to use respiratory protection

Engineering controls..... Ensure ventilation
Check measurement of CHA concentration in the working environment

Personal protective equipment

Eye/face protection Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU). Protective mask or half mask with filter (EN 140) against organic vapors – type A/P2

Skin protection..... Handle with gloves. Protective gloves (e.g., EN 374) Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact..... Material: Fluorinated rubber
Minimum layer thickness: 0.7 mm
Break through time: 480 min
Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

Splash contact..... Material: Fluorinated rubber
Minimum layer thickness: 0.7 mm
Break through time: 480 min
Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

Data source KCL GmbH, D-36124 Eichenzell
Phone: +49 (0)6659-87300
E-mail: sales@kcl.de
test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body protection Complete suit protecting against chemicals, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

Control of environmental exposure..... Prevent further leakage or spillage if safe to do so
Do not let product enter drains
Discharge into the environment must be avoided

Other data..... Do not eat, drink or smoke during work
Wash your hands with hot water and soap after handling product
After work, apply suitable reparative preparations

Environmental exposure controls Use in a closed circuit
Waste gases burnt in a fire crack or cleaned by adsorption (activated carbon)
Wastewater treated biologically

END OF SECTION 8

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- a) Appearance Form: oily, light Amber color liquid
- b) Odor Organic solvent, diesel-like
- c) Odor Threshold No data available
- d) pH Data Not Applicable
- e) Melting/freezing point Melting point -93 °C (-135 °F)/<-60°C
- f) Initial boiling point 87 °C (189 °F)
- g) Flashpoint,TCC, °C <-5C (<23°F)
- h) Evaporation rate No data available
- i) Flammability (solid, gas) This product is a flammable liquid
- j) Vapor pressure, PSIA @20°C..... 0.56 @ 20 °C (68.0 °F)
- k) Vapor density 2.18 – (Air = 1.0)
- l) Relative density..... 0.838 g/mL at 25 °C (77 °F)
- m) Auto-ignition temp >323 °C (>613 °F)
(at 1013 hPa °C)
- n) Specific Gravity 0.835
- o) Viscosity 1.9 @ 23°C, cps

END OF SECTION 9

10. Stability and reactivity

10.1. Reactivity

Possibility of reaction at a temperature higher than 45°C

10.2. Chemical stability

Stable under recommended storage conditions of less than 45°C

10.3. Possibility of hazardous reactions

Vapors may form an explosive mixture with air

On warm days and in case of heating up, the substance forms corrosive and explosive mixtures heavier than air

When ignited, fire spreads quickly for long distances

10.4. Conditions to avoid

Possibility of ignition in contact with hot surfaces, sparks, or open fire

Avoid heat, flames and sparks

10.5. Incompatible materials

Strong oxidizing agents. It may react explosively with strong oxidizers and acids

Avoid contact with food

10.6. Hazardous decomposition products

Combustion may produce toxic carbon monoxide and nitrogen oxides

In the event of fire: see Section 5

END OF SECTION 10

11. Toxicological information

Information on toxicological effects

11.1. Acute toxicity -Category 3

LD50 Oral - Rat - male - >4000 mg/kg (Tested according to Directive 92/69/EEC)

LC50 Inhalation - Rat - male and female - 4 h – 24.5 mg/l (OECD Test Guideline 403)

LD50 Dermal - Rabbit - > 6,000 mg/kg

Remarks: (ECHA)

No further data available

11.2. Skin corrosion/irritation

Skin - Rabbit

Result: irritating - 4 h

Remarks: (ECHA)

11.3. Serious eye damage/eye irritation

Eyes - Rabbit

Result: causes severe eye irritation

Remarks (RETICS)

11.4. Respiratory or skin sensitization

Maximization Test - Guinea pig

Result: negative

(Regulation (EC) No. 440/2008, Annex, B.6)

11.5. Germ cell mutagenicity

Mutagenicity (mammal cell test) chromosome aberration - Chinese hamster ovary cells - Result: negative
(National Toxicology Program)

Ames test Salmonella typhimurium - Result: negative

Sister chromatid exchange assay Chinese hamster ovary cells - Result: negative

OECD Test Guideline 478 Mouse - male and female - Result: negative

Mutagenicity (in vitro and in vivo studies): **not mutagenic**

11.6. Carcinogenicity

IARC..... No component 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 component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

OSHA..... No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

11.7. Reproductive toxicity

Suspected of damaging the unborn child

11.8. Specific target organ toxicity - single exposure

May cause drowsiness or dizziness. - Central nervous system

11.9. Specific target organ toxicity - repeated exposure

Inhalation - may cause damage to organs through prolonged or repeated exposure -- central nervous system, liver, kidney

11.10. Aspiration hazard

Aspiration hazard – aspiration may cause pulmonary oedema and pneumonitis. May be fatal if swallowed and enters airways.

Additional Information

Repeated dose toxicity – Rat - male and female - Oral - 90 d - No observed adverse effect level - 150 mg/kg - Lowest observed adverse effect level - 150 mg/kg

RTECS: Not available

Blurred vision, Incoordination., Headache, Nausea, Vomiting, Dizziness, Weakness, anemia

Prolonged or repeated exposure to skin causes defatting and dermatitis

To the best knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated after absorption

Systemic effects:

Headache, somnolence, Dizziness, agitation, spasms, narcosis, inebriation

Effect potentiated by ethanol

Other dangerous properties cannot be excluded.

Handle in accordance with good industrial hygiene and safety practice.

Stomach - Irregularities - Based on Human Evidence

END OF SECTION 11

12. Ecological information

12.1. Toxicity

Toxicity to fish static test LC50 - Oncorhynchus mykiss (rainbow trout) – 4.20 mg/l - 96 h
(OECD Test Guideline 203) Acute for fish.

Toxicity to daphnia..... EC50 - Daphnia magna (Water flea) – 2.79 mg/l - 48 h
and other aquatic..... (OECD Test Guideline 202)
invertebrates..... Acute for invertebrates

Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata - 7.36 mg/l - 73 h
(OECD Test Guideline 201)

Toxicity to bacteria Remarks: (ECHA)

Toxicity to bacteria static test EC50 - Bacteria - 51 mg/l - 24 h
Remarks: (ECHA)

12.2. Persistence and degradability

Biodegradability aerobic - Exposure time 28 d
Result: 84 % - Readily biodegradable
(OECD Test Guideline 301F)

12.3. Bio accumulative potential

Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 56 d
at 10 °C - 1.3 mg/l
Bioconcentration factor (BCF): 7.4 - 18.5

Bioaccumulation Leuciscus idus (Golden orfe) - 3 d
0.05 mg/l(Toluene)
Bioconcentration factor (BCF): 90

This product is not a high bioaccumulation potential substance

12.4. Mobility in soil

May enter the environment from wastewater
Adsorption: possible in soil, adsorption coefficient value: $\log K_{oc} = 3.4$ at 25 °C, pH = 6.7
Conclusion: has large sorption potential. Henry's constant $H = 0.42 \text{ Pa.m}^3.\text{mol}^{-1}$ at 25 °C

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6. Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal
Toxic to aquatic life
No other data available

Biological effects:
Endangers drinking-water supplies if allowed to enter soil and/or waters in large quantities

Change in the flavor characteristics of fish protein
Discharge into the environment must be avoided.

END OF SECTION 12

13. Disposal considerations

13.1. Waste treatment methods

Product..... Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable
Offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated packaging Dispose of as unused product

END OF SECTION 13

14. Transport information

Land transport (ADR/RID/DOT)

Marine transport (IMPG)

Air transport (ICAO/IATA)

Transport hazard class(es) 8, 3, CF1

Hazard identification number (Kemler code): 33

Environmental hazards Yes

Marine pollutant Yes

Special precautions for user Not included in "Segregation Groups"

EMS F-E, S-C

Transport in bulk according to Annex II of MARPOL and the IBC Code: irrelevant

DOT (US)..... UN number:1268 Hazard Class:3 Packing group: II
Proper shipping name: Petroleum Distillates, n.o.s.
Reportable Quantity (RQ): 1000 lbs
Poison Inhalation Hazard: No

IMDG..... UN number:1268
Hazard Class: 3
Packing group: II
EMS-No: F-E, S-D
Proper shipping name: Petroleum Distillates, n.o.s.

IATA..... UN number: 1268
Hazard Class: 3
Packing group: II
Proper shipping name: Petroleum Distillates, n.o.s.

END OF SECTION 14

15. Regulatory information

SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Naphtha (petroleum) CAS-No. 68955-35-1

Revision Date: 2007-07-01

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right to Know Components

Naphtha (petroleum) CAS-No. 68955-35-1

Revision Date: 2007-07-01

Pennsylvania Right to Know Components

Naphtha (petroleum) CAS-No. 68955-35-1

Revision Date: 2007-07-01

New Jersey Right to Know Components

Naphtha (petroleum) CAS-No. 68955-35-1

Revision Date: 2007-07-01

California Prop. 65 Components

This product does NOT contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

15.1. Safety, health, and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU regulations concerning safety, health and environment/specific legislation concerning substances or mixtures, as amended:

Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council

Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

15.1.2. Regulations valid in CR and concerning safety, health and environment/specific legislation concerning substances or mixtures, as amended:

Act 350/2011 Coll., on chemical substances and chemical mixtures and on amendments to some acts

Decree of Ministry of Environment no. 93/2016 Coll. laying down Waste Catalogue

Governmental decree no. 361/2007 Coll., laying down occupational health and safety conditions

15.1.3. The components of this product are reported in the following inventories: TSCA: On TSCA Inventory

END OF SECTION 15

16. Other information

16.1. This safety data sheet supersedes all previous versions

16.2. List of abbreviations

Carc	Carcinogenicity
CAS	Chemical Abstracts Service
CLP	Classification, labelling, packaging regulation
CSR	Chemical safety report
DNEL.....	Derived no-effect level
ES	Exposure scenario
EC	European Commission
EC50	Median effective concentration EC50 used in toxicity tests. Median effective concentration EC50 is the concentration of substance that causes 50 % mortality or 50 % decrease of growth or growth rate with reference to the control sample.
EINECS.....	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Irrit	Irritant
LC50	Lethal concentration, 50 % (lethal concentration) is used for toxicity tests
LD50	Absolute lethal dose that kills 50 % of members of population
LOAEC.....	Lowest observed adverse effect concentration
NOAEC.....	No observed adverse effect concentration
NOEC.....	No observed effect concentration
OECD	Organization for Economic Cooperation and Development
PBT	Persistent, bio accumulative and toxic
PNEC.....	Predicted no-effect concentration
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
Sens.....	Sensitivity
STOT	Specific target organs toxicity
STOT SE	Specific target organs toxicity - single exposure
STOT RE	Specific target organs toxicity - repeated exposure
STP	Sewage treatment plant
SU	Sector of use
Tox	Toxicity

vPvB Very persistent and very bio accumulative

The information contained in this Safety Data Sheet is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. Energy Catalyst International Incorporated (ECI) shall not be held liable for any damage resulting from handling or from contact with the above product.

END OF SAFETY DATA SHEET