

A-A-59601E Type III

Version 1.4 Revision Date: 12/28/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : A-A-59601E Type III

Recommended use of the chemical and restrictions on use

Recommended use : Dry Cleaning and Degreasing Solvent

Manufacturer or supplier's details

Company : Nexeo Solutions, LLC.

Address 3 Waterway Square Place Suite 1000

The Woodlands, TX. 77380 United States of America

Cage Code: : 4N760

NSN : 4 FL OZ : 6850-01-377-1916

1 PT: 6850-01-377-1811 1 QT: 6850-01-377-1808 1 GL: 6850-01-377-1809 5 GL: 6850-01-331-3349 55 GL: 6850-01-331-3350

Emergency telephone number:

Health North America: 1-855-NEXEO4U (1-855-639-3648) Health International: 1-855-NEXEO4U (1-855-639-3648) Transport North America: CHEMTREC (1-800-424-9300)

Additional Infor-

mation:

: Responsible Party: Product Safety Group E-Mail: msds@nexeosolutions.com

SDS Requests: 1-855-429-2661 SDS Requests Fax: 1-281-500-2370 Website: www.nexeosolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Aspiration hazard : Category 1

GHS Label element

Hazard pictograms

Signal word : Danger

Hazard statements : H304 May be fatal if swallowed and enters airways.

Precautionary statements : **Response:**

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P301 + P310 IF SWALLOWED: Immediately call a

POISON CENTER or doctor/ physician.

P331 Do NOT induce vomiting.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved

waste disposal plant.

Potential Health Effects

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.

ACGIH No component of this product present at levels greater

than or equal to 0.1% is identified as a carcinogen or

potential carcinogen by ACGIH.

OSHANo component of this product present at levels greater

than or equal to 0.1% is identified as a carcinogen or

potential carcinogen by OSHA.

NTP No component of this product present at levels greater

than or equal to 0.1% is identified as a known or antici-

pated carcinogen by NTP.

Emergency Overview

Appearance	liquid
Colour	Clear, Colorless
Odour	Hydrocarbon-like
Hazard Summary	No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical Name	Concentration (%)
64742-47-8	Distillates (pet), hydrotreated light	70 - 100
90622-46-1	Alkanes, C14-16	20 - 30

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SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

Show this safety data sheet to the doctor in attend-

ance.

Symptoms of poisoning may appear several hours

later.

Do not leave the victim unattended.

If inhaled : If unconscious place in recovery position and seek

medical advice.

If symptoms persist, call a physician.

In case of skin contact : First aid is not normally required. However, it is rec-

ommended that exposed areas be cleaned by washing

with soap and water.

In case of 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 per-

son.

If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing

media

: Dry chemical

Carbon dioxide (CO2)

Foam Water spray

Unsuitable extinguishing

media

: High volume water jet

Specific hazards during

firefighting

: Do not allow run-off from fire fighting to enter drains

or water courses.

Hazardous combustion

products

: No hazardous combustion products are known

Specific extinguishing : Fire residues and contaminated fire extinguishing wa-

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methods ter must be disposed of in accordance with local regu-

lations.

Further information : Collect contaminated fire extinguishing water sepa-

rately. This must not be discharged into drains.

Special protective equip-

ment for firefighters

: Wear self-contained breathing apparatus for fire-

fighting if necessary.

NFPA Flammable and Combustible Liquids Classification:

Combustible Liquid Class IIIB

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Ensure adequate ventilation.

Environmental precau-

tions

: 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 and materials

for containment and

cleaning up

: Soak up with inert absorbent material (e.g. sand, sili-

ca gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not breathe vapours/dust.

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.

Conditions for safe stor-

age

: 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.

Observe label precautions.

Electrical installations / working materials must com-

ply with the technological safety standards.



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
64742-47-8	Distillates (pet), hy- drotreated light	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	200 mg/m3 (total hydrocar- bon vapor)	ACGIH
		TWA	400 ppm 1,600 mg/m3	OSHA P0

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally

required.

In the case of vapour formation use a respirator with

an approved filter.

Hand protection

Remarks : The suitability for a specific workplace should be dis-

cussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Skin and body protection : impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work

place.

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

Appearance : liquid

Colour : Clear, Colorless

Odour : Hydrocarbon-like

Odour Threshold : No data available

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pH : No data available

Freezing Point (Melting

point/range)

: -22 °C (-8 °F)

Boiling Point (Boiling point/boiling range)

: 242 - 276 °C (468 - 529 °F) Method: ASTM E 472-86

Flash point : 109 - 114 °C (228 - 237 °F)

Evaporation rate : < 1

(Butyl Acetate = 1)

Flammability (solid, gas) : No data available

Burning rate : No data available

Upper explosion limit : 4.7 - 7.0 %(V)

Lower explosion limit : 0.5 %(V)

Vapour pressure : < 0.1 mmHg @ 20 °C (68 °F)

Relative vapour density : 6.8

Relative density : 0.808 @ 15.6 °C (60.1 °F)

Density : 0.811 g/cm3 @ 15.5 °C (59.9 °F)

Bulk density : No data available

Solubility(ies)

Water solubility : Negligible

Solubility in other sol-

vents

: No data available

Partition coefficient: n-

octanol/water

: No data available

Auto-ignition temperature : 220 - 224 °C

Thermal decomposition : No data available

Viscosity

Viscosity, kinematic : 2.54 - 3.8 mm2/s @ 20 - 40 °C (68 - 104 °F)



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SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of

normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous

reactions

: No hazards to be specially mentioned.

Conditions to avoid : Keep away from heat, flame, sparks and other ignition

sources.

Incompatible materials : Oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

64742-47-8:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg

Method: Fixed dose procedure

GLP: yes

Assessment: The substance or mixture has no acute

dermal toxicity

90622-46-1:

Acute oral toxicity

Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Skin corrosion/irritation

Product:

Result: No skin irritation



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Components: 64742-47-8:

Remarks: No data available

90622-46-1:

Remarks: No data available

Serious eye damage/eye irritation

Product:

Result: No eye irritation

Components:

64742-47-8:

Remarks: No data available

90622-46-1:

Remarks: No data available

Respiratory or skin sensitisation

Components:

64742-47-8:

Test Type: Buehler Test Exposure routes: Dermal Species: Guinea pig Method: In vivo

Result: Did not cause sensitisation on laboratory animals.

GLP: yes

90622-46-1:

Remarks: No data available

Germ cell mutagenicity

Components:

64742-47-8:

Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay

Test species: Mouse lymphoma cells

Metabolic activation: with and without metabolic acti-

vation

Result: negative

GLP: yes

Genotoxicity in vivo : Test Type: Chromosome aberration assay in vivo

Test species: Rat (male and female)

Cell type: Bone marrow

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Application Route: Intraperitoneal

Exposure time: 6 - 48 hrs

Dose: 0, 300, 1000, 3000 mg/kg bw

Result: negative

GLP: yes

Germ cell mutagenicity-

Assessment

: Tests on bacterial or mammalian cell cultures did not

show mutagenic effects.

Carcinogenicity

Components:

64742-47-8:

Species: Mouse, (male and female)

Application Route: Dermal Exposure time: 105 wks Dose: 0, 25 mg/application

Frequency of Treatment: 3 days/week

LOAEL: 25

Result: Limited evidence of carcinogenic effects Symptoms: Local irritation, Dermal tumours

sessment

Carcinogenicity - As- : Not classifiable as a human carcinogen.

Reproductive toxicity

Components:

64742-47-8:

Effects on fertility : Test Type: Fertility

Species: Rat, male and female

Application Route: Oral

Dose: 0, 375, 750, 1500 mg/kg/d

General Toxicity - Parent: NOAEL: 750 mg/kg body

weight

General Toxicity F1: NOAEL: 750 mg/kg body weight Fertility: NOAEL: >= 1,500 mg/kg body weight Symptoms: Reduced maternal body weight gain Re-

duced offspring weight gain Result: No reproductive effects.

Effects on foetal devel-

opment

: Species: Rat

Application Route: Oral

Dose: 0, 500, 1000, 1500, 2000mg/kg Duration of Single Treatment: 10 d

General Toxicity Maternal: NOAEL: 500 mg/kg body

weight

Teratogenicity: NOAEL: 2,000 mg/kg body weight

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Developmental Toxicity: NOAEL: 1,000 mg/kg body

weight

Symptoms: Reduced body weight Method: OECD Test Guideline 414

Result: Developmental toxicity occurred at maternal

toxicity dose levels, No teratogenic effects

Reproductive toxicity -

Assessment

: Animal testing did not show any effects on fertility. Embryotoxicity classification not possible from current

data.

STOT - single exposure

Product:

Exposure routes:	Target Organs:	Assessment:	Remarks:
		The substance or mixture is not classified as specific target organ toxicant, single exposure.	

Components:

64742-47-8: No data available

90622-46-1:

Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Central nervous system	May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.	

STOT - repeated exposure

Product: No data available

Components:

64742-47-8: No data available

90622-46-1:No data available



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Repeated dose toxicity

Components:

64742-47-8:

Species: Rat, male LOAEL: 750 mg/kg Application Route: Oral Exposure time: 70 - 90 days Number of exposures: daily

Dose: 0, 750, 1500, 3000 mg/kg/d

GLP: yes

Symptoms: weight loss, Liver effects, Stomach/intestinal disorders

Species: Rat, female NOAEL: 750 mg/kg Application Route: Oral Exposure time: 21 wks Number of exposures: daily Dose: 0, 325, 750, 1500 mg/kg/d

GLP: yes

Symptoms: weight loss, Liver effects, Stomach/intestinal disorders

Species: Mouse, male and female

NOAEL: >= 1000

Application Route: inhalation (vapour)

Exposure time: 90 d

Number of exposures: 24 h/d, daily

Dose: 0, 500, 1000 mg/m3 GLP: No data available

Species: Rat, male and female

NOAEL: >=0,5

Application Route: Dermal Exposure time: 28 d

Number of exposures: 6 h/d, 5 d/wk Dose: 0, 0.01, 0.05, 0.5 ml/kg bw/d Method: OECD Test Guideline 410

GLP: yes

Symptoms: Local irritation

Repeated dose toxicity - : Causes skin irritation.

Assessment

Aspiration toxicity

Product:

May be fatal if swallowed and enters airways.

Components:



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64742-47-8:

May be fatal if swallowed and enters airways.

90622-46-1:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

64742-47-8:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 25 mg/l

Exposure time: 96 h
Test Type: static test
Analytical monitoring: yes

Method: OECD Test Guideline 203

GLP: yes

Toxicity to daphnia and

other aquatic inverte-

brates

: EL50 (Daphnia magna (Water flea)): 1.4 mg/l

Exposure time: 48 h Test Type: static test Analytical monitoring: yes

Method: OECD Test Guideline 202

GLP: yes

Toxicity to algae : EL50 (Pseudokirchneriella subcapitata (green algae)):

1 mg/l

End point: Growth rate Exposure time: 72 h Test Type: static test Analytical monitoring: yes

Method: OECD Test Guideline 201

GLP: yes

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

90622-46-1:



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Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic inverte-

brates

: Remarks: No data available

Toxicity to algae : Remarks: No data available

Persistence and degradability

Components:

64742-47-8:

Biodegradability : aerobic

Concentration: 101 mg/l Biodegradation: 61 % Exposure time: 28 d

GLP: yes

Remarks: Readily biodegradable

90622-46-1:

Biodegradability : Remarks: No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection

of Stratospheric Ozone - CAA Section 602 Class I Sub-

stances

Remarks 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).

Additional ecological in-

formation

: An environmental hazard cannot be excluded in the

event of unprofessional handling or disposal., Toxic to

aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local,

state and federal regulations.

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For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group

at 800-637-7922.

The product should not be allowed to enter drains,

water courses or the soil.

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

IATA (International Air Transport Association): Not regulated as a dangerous good

IMDG-Code: Not regulated as a dangerous good

DOT (Department of Transportation): Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Aspiration hazard

WHMIS Classification : : Not Rated

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312

Hazards

: Immediate (Acute) Health Hazard

SARA 302 : No chemicals in this material are subject to the

reporting requirements of SARA Title III, Section 302.

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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

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean-Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

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90622-46-1	Alkanes, C14-16	20 - 30 %

New Jersey Right To Know

64742-47-8	Distillates (pet), hydrotreated light	70 - 100 %
90622-46-1	Alkanes, C14-16	20 - 30 %

California Prop 65 This product does not contain any chemicals known to

State of California to cause cancer, birth defects, or

any other reproductive harm.

The components of this product are reported in the following inventories:

United States TSCA Inventory	:	y (positive listing) (On TSCA Invento- ry)
Canadian Domestic Substances List (DSL)	:	y (positive listing) (All components of this product are on the Canadian DSL.)

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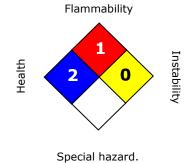
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Australia Inventory of Chemical Substances (AICS) New Zealand. Inventory of Chemical Substances	:	n (Negative listing) (Not in compliance with the inventory) n (Negative listing) (Not in compliance with the inventory)
Japan. ENCS - Existing and New Chemical Substances Inventory	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Korea. Korean Existing Chemicals Inventory (KECI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	:	n (Negative listing) (Not in compliance with the inventory)
China. Inventory of Existing Chemical Substances in China (IECSC)	:	n (Negative listing) (Not in compliance with the inventory)

SECTION 16. OTHER INFORMATIONFurther information

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High 4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do

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not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

Material number:

16060811, 16056088, 16057037, 16057036, 16057035, 16057034, 16057033, 16057038, 16057032, 16057031

Key or le	gend to abbreviations and ac	ronyms use	d in the safety data sheet
ACGIH	American Conference of Gov-	LD50	Lethal Dose 50%
	ernment Industrial Hygienists		
AICS	Australia, Inventory of Chem-	LOAEL	Lowest Observed Adverse Effect
	ical Substances		Level
DSL	Canada, Domestic Substanc-	NFPA	National Fire Protection Agency
	es List		
NDSL	Canada, Non-Domestic Sub-	NIOSH	National Institute for Occupational
	stances List		Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure	OSHA	Occupational Safety & Health Admin-
	Scenario Tool		istration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Exist-	PICCS	Philipines Inventory of Commercial
	ing Chemical Substances		Chemical Substances
MAK	Germany Maximum Concen-	PRNT	Presumed Not Toxic
	tration Values		
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reau-
			thorization Act.
IARC	International Agency for Re-	TLV	Threshold Limit Value
	search on Cancer		
IECSC	Inventory of Existing Chemi-	TWA	Time Weighted Average
	cal Substances in China		
ENCS	Japan, Inventory of Existing	TSCA	Toxic Substance Control Act
	and New Chemical Substanc-		
	es		
KECI	Korea, Existing Chemical In-	UVCB	Unknown or Variable Compositon,
	ventory		Complex Reaction Products, and
	<u> </u>		Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials In-
			formation System

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LC50	Lethal Concentration 50%