

# AIRAIID Renew Kit Squeeze Oil Red

## AIRAIID Filter Cleaner

### Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 12/02/2016 Version: 1.0

## SECTION 1: Identification

### 1.1. Product identifier

Product form	: Mixture
Product name	: AIRAIID Filter Cleaner
Product code	: 790-550
Product group	: Trade product

### 1.2. Recommended use and restrictions on use

Recommended use	: Industrial use
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### 1.3. Supplier

K&N Engineering, Inc.  
P.O. Box 1329  
92502-1329 Riverside, CA - USA  
T (800) 858-3333 - F (951) 826-4001

### 1.4. Emergency telephone number

Emergency number	: Chemtrec (800) 424-9300 / +1 (703) 527-3887 (CCN 632715)
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## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

#### Classification (GHS-CA)

Flammable liquids, Category 4	H227
Skin corrosion/irritation, Category 1A	H314
Serious eye damage/eye irritation, Category 1	H318

Full text of H statements : see section 16

### 2.2. GHS Label elements, including precautionary statements

#### GHS-CA labelling

Hazard pictograms (GHS-CA)



GHS05

Signal word (GHS-CA)

: Danger

Hazard statements (GHS-CA)

: H227 - Combustible liquid  
H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage

Precautionary statements (GHS-CA)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P260 - Do not breathe fume, gas, mist, spray, vapours  
P264 - Wash hands thoroughly after handling  
P280 - Wear eye protection, face protection, protective clothing, protective gloves  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a doctor  
P321 - Specific treatment (see supplemental first aid instruction on this label)  
P363 - Wash contaminated clothing before reuse  
P370+P378 - In case of fire: Use carbon dioxide (CO2), dry chemical powder, foam to extinguish  
P403 - Store in a well-ventilated place  
P405 - Store locked up  
P501 - Dispose of contents/container to an approved waste disposal plant

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#### 2.3. Other hazards

Other hazards not contributing to the classification : None.

#### 2.4. Unknown acute toxicity (GHS-CA)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
Sodium metasilicate	Disodium metasilicate / Silicate, disodium / Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), disodium salt / Sodium metasilicate, anhydrous / Silicic acid, disodium salt / Disodium metasilicate (Na <sub>2</sub> SiO <sub>3</sub> ) / Disodium trioxsilicate / Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), sodium salt (1:2) / SODIUM METASILICATE / Silicic acid, sodium salt (1:2) / Sodium silicate	(CAS No) 6834-92-0	1 - 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 STOT SE 3, H335
1-Butoxy-2-propanol	3-Butoxypropan-2-ol / 1-Butoxypropan-2-ol / Propan-2-ol, 1-butoxy- / 2-Propanol, 1-butoxy- / Propylene glycol monobutyl ether / Propylene glycol butyl ether / Propylene glycol n-butyl ether / 1,2-Propylene glycol 1-monobutyl ether / BUTOXYPROPANOL / Butoxy-2-propanol, 1- / Propanol-1-butoxy, 2- / n-Butoxy-2-propanol	(CAS No) 5131-66-8	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315
Tetrasodium EDTA	Ethylenediaminetetraacetic acid, tetrasodium salt / Tetrasodium ethylenediaminetetraacetate / Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt / Glycine, N,N'-1,2-ethanediylibis[N-(carboxymethyl)-, sodium salt (1:4) / Glycine, N,N'-1,2-ethanediylibis[N-(carboxymethyl)-, tetrasodium salt / TETRASODIUM EDTA / EDTA tetrasodium salt / Tetrasodium salt of ethylenediaminetetraacetic acid / Acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt / EDTA, tetrasodium / Tetrasodium edetate	(CAS No) 64-02-8	1 - 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Ethanolamine	Ethanol, 2-amino- / 2-Hydroxyethylamine / Monoethanolamine / 2-Aminoethanol / Aminoethanol / ETHANOLAMINE	(CAS No) 141-43-5	1 - 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Immediately remove contaminated clothing or footwear. Call a physician immediately. Seek medical attention if burns develop. Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. Consult an ophthalmologist if irritation persists.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.
- First-aid measures general : Call a physician immediately. If you feel unwell, seek medical advice (show the label where possible). Concerning personal protective equipment to use, see section 8.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/injuries after skin contact : Burns.
- Symptoms/injuries after eye contact : Serious damage to eyes.
- Symptoms/injuries after ingestion : Burns.
- Chronic symptoms : None known.

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#### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Not applicable.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.3. Specific hazards arising from the hazardous product

Fire hazard : Combustible liquid.

### 5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

Personal Precautions, Protective Equipment and Emergency Procedures : No open flames, no sparks, and no smoking. Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment.

### 6.2. Methods and materials for containment and cleaning up

For containment : Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or public waters.

Methods for cleaning up : Notify authorities if product enters sewers or public waters. In case of large spillages: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Shovel or sweep up and put in a closed container for disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Stop leak if safe to do so.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Take all necessary technical measures to avoid or minimize the release of the product on the workplace.

Hygiene measures : Separate working clothes from town clothes. Wash contaminated clothing before reuse. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.

Incompatible products : Oxidizing agent.

Maximum storage period : 3 years

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ethanolamine (141-43-5)		
Canada (Quebec)	VECD (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
Canada (Quebec)	VECD (ppm)	6 ppm
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	7.5 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (ppm)	3 ppm
Alberta	OEL STEL (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
Alberta	OEL STEL (ppm)	6 ppm
Alberta	OEL TWA (mg/m <sup>3</sup> )	7.5 mg/m <sup>3</sup>

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Ethanolamine (141-43-5)		
Alberta	OEL TWA (ppm)	3 ppm
British Columbia	OEL STEL (ppm)	6 ppm
British Columbia	OEL TWA (ppm)	3 ppm
Manitoba	OEL STEL (ppm)	6 ppm
Manitoba	OEL TWA (ppm)	3 ppm
New Brunswick	OEL STEL (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
New Brunswick	OEL STEL (ppm)	6 ppm
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	7.5 mg/m <sup>3</sup>
New Brunswick	OEL TWA (ppm)	3 ppm
Newfoundland & Labrador	OEL STEL (ppm)	6 ppm
Newfoundland & Labrador	OEL TWA (ppm)	3 ppm
Nova Scotia	OEL STEL (ppm)	6 ppm
Nova Scotia	OEL TWA (ppm)	3 ppm
Nunavut	OEL STEL (ppm)	6 ppm
Nunavut	OEL TWA (ppm)	3 ppm
Northwest Territories	OEL STEL (ppm)	6 ppm
Northwest Territories	OEL TWA (ppm)	3 ppm
Ontario	OEL STEL (ppm)	6 ppm
Ontario	OEL TWA (ppm)	3 ppm
Prince Edward Island	OEL STEL (ppm)	6 ppm
Prince Edward Island	OEL TWA (ppm)	3 ppm
Québec	VECD (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
Québec	VECD (ppm)	6 ppm
Québec	VEMP (mg/m <sup>3</sup> )	7.5 mg/m <sup>3</sup>
Québec	VEMP (ppm)	3 ppm
Saskatchewan	OEL STEL (ppm)	6 ppm
Saskatchewan	OEL TWA (ppm)	3 ppm
Yukon	OEL STEL (mg/m <sup>3</sup> )	12 mg/m <sup>3</sup>
Yukon	OEL STEL (ppm)	6 ppm
Yukon	OEL TWA (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Yukon	OEL TWA (ppm)	3 ppm

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.3. Individual protection measures/Personal protective equipment

Hand protection	: Chemically resistant protective gloves.
Eye protection	: Chemical goggles or safety glasses. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazard protection	: Not available.
Environmental exposure controls	: Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Cloudy.
Colour	: Mixture contains one or more component(s) which have the following colour(s): white clear Colourless
Odour	: hydrocarbons
Odour threshold	: No data available
pH	: 13

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pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 332.6 °F (167 C)
Flash point	: 144.5 °F (62.5 C)
Auto-ignition temperature	: 500 °F (260 C)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 0.5 hPa
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 50 cP
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

VOC content	: 19.2 %
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## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: Oxidizing agent.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. On combustion, forms: carbon oxides (CO and CO2).

## SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Sodium metasilicate (6834-92-0)	
LD50 oral rat	1153 mg/kg
1-Butoxy-2-propanol (5131-66-8)	
LD50 oral rat	1900 mg/kg
Ethanolamine (141-43-5)	
LD50 oral rat	1720 mg/kg
LD50 dermal rabbit	1000 mg/kg
Tetrasodium EDTA (64-02-8)	
LD50 oral rat	1658 mg/kg

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Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 13
Serious eye damage/irritation	: Causes serious eye damage. pH: 13
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
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#### Sodium metasilicate (6834-92-0)

LC50 fish 1	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
LC50 fish 2	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)

#### Ethanolamine (141-43-5)

LC50 fish 1	227 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	3684 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	65 mg/l (Exposure time: 48 h - Species: Daphnia magna)

#### Tetrasodium EDTA (64-02-8)

LC50 fish 1	41 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 fish 2	59.8 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

### 12.2. Persistence and degradability

#### AIRAIID Filter Cleaner

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

#### AIRAIID Filter Cleaner

Bioaccumulative potential	Not established.
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#### Ethanolamine (141-43-5)

Log Pow	-1.91 (at 25 °C)
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### 12.4. Mobility in soil

#### AIRAIID Filter Cleaner

Ecology - soil	Not established.
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#### Ethanolamine (141-43-5)

Log Pow	-1.91 (at 25 °C)
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### 12.5. Other adverse effects

Effect on the global warming	: Not established.
GWPmix comment	: No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Do not allow into drains or water courses.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

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#### 14.1. Basic shipping description

In accordance with TDG

##### TDG

UN-No. (TDG)	:	UN3267
Packing group	:	II - Medium Danger
TDG Primary Hazard Classes	:	8 - Class 8 - Corrosives
Transport document description	:	UN3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., 8, II
Proper Shipping Name (TDG)	:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Hazard labels (TDG)	:	8 - Corrosive substances
		
TDG Special Provisions	:	16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a)UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b)UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c)UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d)UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or (e)UN3249, MEDICINE, SOLID, TOXIC, N.O.S. An example in Canada is the "Food and Drugs Act". (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a)UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b)UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS. SOR/2014-306
Explosive Limit and Limited Quantity Index	:	1 L
Excepted quantities (TDG)	:	E2
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	1 L

#### 14.2. Transport information/DOT

##### DOT

DOT NA no.	:	UN3267
UN-No.(DOT)	:	3267
Packing group (DOT)	:	II - Medium Danger
DOT Symbols	:	G - Identifies PSN requiring a technical name
Transport document description	:	UN3267 Corrosive liquid, basic, organic, n.o.s. (monoethanolamine, sodium metasilicate), 8, II
Proper Shipping Name (DOT)	:	Corrosive liquid, basic, organic, n.o.s. (monoethanolamine, sodium metasilicate)
Contains Statement Field Selection (DOT)	:	
Class (DOT)	:	8 - Class 8 - Corrosive material 49 CFR 173.136
Division (DOT)	:	8
Hazard labels (DOT)	:	8 - Corrosive
		
Dangerous for the environment	:	No

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DOT Special Provisions (49 CFR 172.102)	: B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized T11 - 6 178.274(d)(2) Normal..... 178.275(d)(3) TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters", 52 - Stow "separated from" acids
Emergency Response Guide (ERG) Number	: 153
Other information	: No supplementary information available.

### 14.3. Air and sea transport

#### IMDG

UN-No. (IMDG)	: 3267
Proper Shipping Name (IMDG)	: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Class (IMDG)	: Not regulated for transport
Packing group (IMDG)	: II - substances presenting medium danger

#### IATA

UN-No. (IATA)	: 3267
Proper Shipping Name (IATA)	: Corrosive liquid, basic, organic, n.o.s.
Class (IATA)	: Not regulated for transport
Packing group (IATA)	: II - Medium Danger

## SECTION 15: Regulatory information

### 15.1. National regulations

<b>Sodium metasilicate (6834-92-0)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>1-Butoxy-2-propanol (5131-66-8)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Ethanolamine (141-43-5)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Tetrasodium EDTA (64-02-8)</b>
Listed on the Canadian DSL (Domestic Substances List)

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#### 15.2. International regulations

##### **Sodium metasilicate (6834-92-0)**

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

##### **1-Butoxy-2-propanol (5131-66-8)**

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

##### **Ethanolamine (141-43-5)**

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Japanese Poisonous and Deleterious Substances Control Law  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

##### **Tetrasodium EDTA (64-02-8)**

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

#### SECTION 16: Other information

Date of issue : 02/12/2016

Full text of H-statements:

H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation

SDS Canada (GHS)

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# AIR RAID Renew Kit Squeeze Oil Red

## Filter Oil Type II (All Colors)

### Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

#### SECTION 1: Identification

##### 1.1. Product identifier

Product form : Mixture  
Product name : Filter Oil Type II (All Colors)  
Product code : 790-550  
Product group : Trade product

##### 1.2. Recommended use and restrictions on use

Recommended use : Industrial use

##### 1.3. Supplier

K&N Engineering, Inc.  
P.O. Box 1329  
92502-1329 Riverside, CA - USA  
T (800) 858-3333 - F (951) 826-4001

##### 1.4. Emergency telephone number

Emergency number : Chemtrec (800) 424-9300 / +1 (703) 527-3887 (CCN 632715)

#### SECTION 2: Hazard identification

##### 2.1. Classification of the substance or mixture

###### Classification (GHS-CA)

Not classified

##### 2.2. GHS Label elements, including precautionary statements

###### GHS-CA labelling

No labelling applicable

##### 2.3. Other hazards

Other hazards not contributing to the classification : None.

##### 2.4. Unknown acute toxicity (GHS-CA)

No data available

#### SECTION 3: Composition/information on ingredients

##### 3.1. Substances

Not applicable

##### 3.2. Mixtures

Full text of hazard classes and H-statements : see section 16

#### SECTION 4: First-aid measures

##### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.  
First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Concerning personal protective equipment to use, see section 8.

##### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.  
Chronic symptoms : None known.

##### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Not applicable.

# AIR RAID Renew Kit Squeeze Oil Red

## Filter Oil Type II (All Colors)

### Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

#### SECTION 5: Fire-fighting measures

##### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

##### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

##### 5.3. Specific hazards arising from the hazardous product

No additional information available

##### 5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

Personal Precautions, Protective Equipment and Emergency Procedures : Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Stop leak if safe to do so.

##### 6.2. Methods and materials for containment and cleaning up

For containment : Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or public waters.

Methods for cleaning up : In case of large spillages: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Shovel or sweep up and put in a closed container for disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

##### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Take all necessary technical measures to avoid or minimize the release of the product on the workplace.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

##### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

Incompatible products : Oxidizing agent.

#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters

No additional information available

##### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

##### 8.3. Individual protection measures/Personal protective equipment

Hand protection : Protective gloves.

Eye protection : Safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazard protection : Not available.

Environmental exposure controls : Avoid release to the environment.

#### SECTION 9: Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Liquid.

# AIR RAID Renew Kit Squeeze Oil Red

## Filter Oil Type II (All Colors)

### Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Colour	: Various
Odour	: petroleum
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 265 °F (129.5 C)
Flash point	: 329 °F (165 C)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 0.1 mm Hg
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.87
Relative density of saturated gas/air mixture	: No data available
Density	: 870 g/l
Relative gas density	: No data available
Solubility	: Insoluble.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. On combustion, forms: carbon oxides (CO and CO2).

## SECTION 11: Toxicological information

Likely routes of exposure	: Oral. Dermal. Ingestion.
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#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

# AIR RAID Renew Kit Squeeze Oil Red

## Filter Oil Type II (All Colors)

### Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

Filter Oil Type II (All Colors)	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

Filter Oil Type II (All Colors)	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

Filter Oil Type II (All Colors)	
Ecology - soil	Not established.

### 12.5. Other adverse effects

Effect on the global warming : Not established.

GWPMix comment : No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Do not allow into drains or water courses.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

### 14.1. Basic shipping description

In accordance with TDG

### TDG

Not regulated for transport

### 14.2. Transport information/DOT

### DOT

Not regulated for transport

### 14.3. Air and sea transport

### IMDG

Class (IMDG) : Not regulated for transport

### IATA

Class (IATA) : Not regulated for transport

## SECTION 15: Regulatory information

### 15.1. National regulations

#### Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Listed on the Canadian DSL (Domestic Substances List)

### 15.2. International regulations

# AIR RAID Renew Kit Squeeze Oil Red

## Filter Oil Type II (All Colors)

### Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

#### Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

#### SECTION 16: Other information

Date of issue : 23/11/2016

SDS Canada (GHS)

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