

Rust Destroyer

73001; 73004; 73005; 73008; 73016

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Rust Destroyer**

Product Code(s) : 73001; 73004; 73005; 73008; 73016

Recommended use of the chemical and restrictions on use

: Primer coating. Rust preventative.
No restrictions on use known.

Chemical family : Mixture of: Petroleum distillates; Inorganic substances in powdered form; Halogenated compounds; Anti-skinning agent; Carboxylic acid salts

Name, address, and telephone number of the supplier:

NLS Products

Box 790, 1 Lakewood Crescent
Bobcaygeon, ON, Canada
K0M 1A0

Supplier's Telephone # : (705) 738-2321

24 Hr. Emergency Tel # : No information available.

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Red liquid. Mild solvent odor.

Most important hazards:

Flammable liquid and vapor. May be ignited by open flame. Vapors are heavier than air and may spread along floors. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging the unborn child. Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Hazardous classification:

Flammable liquid - Category 3

Skin corrosion/irritation - Category 2

Carcinogenicity - Category 2

Reproductive toxicity - Category 2

Specific target organ toxicity, single exposure - Category 3

Label elements

Hazard pictogram(s)



Signal Word

WARNING!

Hazard statement(s)

Flammable liquid and vapor.

Causes skin irritation.

May cause respiratory irritation.

May cause drowsiness or dizziness.

Suspected of causing cancer.

Suspected of damaging the unborn child.

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Precautionary statement(s)

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.
 Keep container tightly closed.
 Ground/Bond container and receiving equipment.
 Use explosion-proof electrical and ventilating equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Avoid breathing fumes, mists or vapors.
 Wash exposed skin thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/clothing and eye/face protection.

IF exposed or concerned: Get medical advice/attention.
 IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

In case of fire: Use carbon dioxide, dry chemical or foam to extinguish.

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification:

Toxic fumes may be released during a fire. May cause mild eye irritation. May cause gastrointestinal irritation. Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.

Environmental precautions:

Toxic to aquatic life with long lasting effects. Avoid release to the environment. See Section 12 for more environmental information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Naphtha (petroleum), heavy straight-run	Low boiling point naphtha	64741-41-9	21.4
1-Chloro-4-trifluoromethyl benzene	4-chloro- α,α,α -trifluorotoluene Parachlorobenzotrifluoride PCBTF	98-56-6	14.78
Naphtha (petroleum), hydrodesulfurized heavy	Low aromatic white spirit	64742-82-1	10.4
Iron oxide	Ferric oxide Diiron trioxide	1309-37-1	9.0
Methyl ethyl ketoxime	2-Butanone oxime MEKO	96-29-7	0.34
Calcium 2-ethylhexanoate	Calcium octanoate	136-51-6	0.17
Ethylbenzene	Ethylbenzol Phenylethane	100-41-4	0.16

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

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- Inhalation* : IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTER or doctor/physician if you feel unwell.
- Skin contact* : IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
- Eye contact* : Immediately flush eye(s) with plenty of water. IF exposed or concerned: Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

- : Causes skin irritation. Symptoms may include redness, itching and swelling. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties. Inhalation may cause headache, nausea and central nervous effects such as dizziness, coordination difficulties and unconsciousness. Suspected of causing cancer. Symptoms may include persistent coughing, shortness of breath, coughing up blood and wheezing. Suspected of damaging the unborn child. Symptoms may include skeletal malformations such as clubfoot, absence of fibula, and polydactyly. May cause mild eye irritation. Direct eye contact may cause temporary redness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.

Indication of any immediate medical attention and special treatment needed

- : Provide general supportive measures and treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

- : Dry chemical, foam, carbon dioxide and water fog.

Unsuitable extinguishing media

- : Do not use water jet, as this may spread burning material.

Special hazards arising from the substance or mixture / Conditions of flammability

- : Flammable liquid and vapor. May be ignited by open flame. Vapors are heavier than air and collect in confined and low-lying areas. Vapor can travel considerable distance and flashback to a source of ignition. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Toxic fumes, gases or vapors may evolve on burning.

Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable liquid - Category 3

Hazardous combustion products

- : Carbon oxides; Nitrogen oxides (NOx); Hydrocarbons; Aldehydes; Metal oxides; Hydrogen chloride; fluorine compounds; Other unidentified organic compounds.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

- : Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : All persons dealing with the clean-up should wear the appropriate personal protective equipment. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. Avoid release to the environment. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up

- : Ventilate the area. Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand). Pick up and transfer to properly labeled containers. Do not use combustible absorbents, such as sawdust. Refer to Section 13 for disposal of contaminated material. Contact the proper local authorities.

Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
US CERCLA Reportable quantity (RQ): Ethylbenzene (1000 lbs / 454 kg)

In Canada: Contact appropriate local and provincial environmental authorities for assistance and/or reporting requirements.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Use only outdoors or in a well-ventilated area. Wear protective equipment during handling. Wear protective gloves/clothing and eye/face protection. Avoid breathing fumes, mists or vapors. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Ground/Bond container and receiving equipment. Use explosion-proof electrical and ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep away from incompatibles. Keep container tightly closed when not in use. Wash thoroughly after handling. Empty containers retain residue (liquid and/or vapor) and can be dangerous.

Conditions for safe storage : Store in a cool, dry, well-ventilated area. Store locked up. Store away from incompatibles and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks.

Incompatible materials : Strong oxidizing agents (e.g. hydrogen peroxide, nitric acid); Strong acids; Strong bases

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Naphtha (petroleum), heavy straight-run	N/Av	N/Av	N/Av	N/Av
1-Chloro-4-trifluoromethyl benzene	N/Av	N/Av	N/Av	N/Av
Naphtha (petroleum), hydrodesulfurized heavy	N/Av	N/Av	N/Av	N/Av
Iron oxide	5 mg/m ³ (respirable)	N/Av	10 mg/m ³ (fume); 15 mg/m ³ (total dust); 5 mg/m ³ (respirable)	N/Av
Methyl ethyl ketoxime	10 ppm (AIHA WEEL)	N/Av	N/Av	N/Av
Calcium 2-ethylhexanoate	N/Av	N/Av	N/Av	N/Av
Ethylbenzene	20 ppm	N/Av	100 ppm (435 mg/m ³)	N/Av

Exposure controls

Ventilation and engineering measures

- : Use only outdoors or in a well-ventilated area. Use with adequate local or mechanical ventilation to meet TLV requirements. Use explosion-proof electrical and ventilating equipment. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection

- : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with CSA Z94.4-02.

Skin protection

- : Wear protective gloves/clothing. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.

Eye / face protection

- : Wear eye/face protection. Wear as appropriate: Safety glasses with side shields; Tightly fitting safety goggles. A full face shield may also be necessary.

Other protective equipment

- : An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

General hygiene considerations

- : Avoid breathing mist or vapors. Avoid contact with skin, eyes and clothing. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Red liquid.
- Odor** : Mild solvent odor.
- Odor threshold** : N/Av
- pH** : N/Av
- Melting/Freezing point** : N/Av
- Initial boiling point and boiling range** : 127°C (260°F)

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Flash point : 42.2°C (108°F)
Flashpoint (Method) : Closed Cup
Evaporation rate (BuAe = 1) : 0.1 (butyl acetate = 1)
Flammability (solid, gas) : Not applicable.
Lower flammable limit (% by vol.)
: 0.9%
Upper flammable limit (% by vol.)
: 6.0%
Oxidizing properties : None known.
Explosive properties : Not explosive
Vapor pressure : N/Av
Vapor density : > 1 (Air = 1.0)
Relative density / Specific gravity
: 1.4
Solubility in water : Nil
Other solubility(ies) : N/Av
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution
: N/Av
Auto-ignition temperature : N/Av
Decomposition temperature : N/Av
Viscosity : 885 cSt (approximately)
Volatiles (% by weight) : 40%
Volatile organic Compounds (VOC's)
: 250 g/L
Absolute pressure of container
: N/Ap
Flame projection length : N/Ap
Other physical/chemical comments
: No additional information.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions
: Hazardous polymerization does not occur.
Conditions to avoid : Ensure adequate ventilation, especially in confined areas. Avoid contact with incompatible materials. Avoid heat and open flame.
Incompatible materials : Strong oxidizing agents (e.g. hydrogen peroxide, nitric acid); Strong acids
Hazardous decomposition products
: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES
Routes of exposure skin absorption
: NO

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Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

- : Inhalation may cause headache, nausea and central nervous effects such as dizziness, coordination difficulties and unconsciousness. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties.

Sign and symptoms ingestion

- : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin

- : Causes skin irritation. Symptoms may include redness, itching and swelling.

Sign and symptoms eyes

- : May cause mild eye irritation. Direct eye contact may cause temporary redness.

Potential Chronic Health Effects

- : Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights. Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Mutagenicity

- : No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

- : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Carcinogenicity - Category 2. Suspected of causing cancer. Symptoms may include persistent coughing, shortness of breath, coughing up blood and wheezing. Contains: Ethylbenzene. Ethylbenzene is classified as possibly carcinogenic by IARC (Group 2B) and the ACGIH (Category A3).

Reproductive effects & Teratogenicity

- : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Reproductive toxicity - Category 2. Suspected of damaging the unborn child. Symptoms may include skeletal malformations such as clubfoot, absence of fibula, and polydactyly. Contains Calcium 2-ethylhexanoate, an anolgue chemical to 2-ethylhexanoic acid.

Sensitization to material

- : Not expected to be a skin or respiratory sensitizer.

Specific target organ effects

- : This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Specific target organ toxicity, single exposure - Category 3. May cause drowsiness or dizziness. May cause respiratory irritation.

According to the classification criteria of U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015), this product is not expected to cause target organ toxicity through repeated exposures.

Medical conditions aggravated by overexposure

- : Pre-existing skin, eye and respiratory disorders.

Synergistic materials

- : No information available.

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Toxicological data : Not classified for acute toxicity based on available data. No data is available on the product itself. The calculated ATE values for this mixture are:
 ATE inhalation (vapors) = 223.3 mg/L/4H

See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀ (4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Naphtha (petroleum), heavy straight-run	> 5.2 mg/L (No mortality)	> 5000 mg/kg	> 2000 mg/kg (No mortality)
1-Chloro-4-trifluoromethyl benzene	4468 ppm (33 mg/L) (vapor)	13 000 mg/kg	> 2000 mg/kg (No mortality)
Naphtha (petroleum), hydrodesulfurized heavy	> 5.6 mg/L (No mortality)	> 5000 mg/kg	> 2000 mg/kg (No mortality)
Iron oxide	N/Av	> 10 000 mg/kg	N/Av
Methyl ethyl ketoxime	> 17.6 mg/L (vapor) (No mortality)	930 mg/kg	> 1000, < 1800 mg/kg
Calcium 2-ethylhexanoate	N/Av	2043 mg/kg	> 2000 mg/kg (No mortality)
Ethylbenzene	4000 ppm (17.4 mg/L) (vapor)	3500 mg/kg	15 380 mg/kg

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Toxic to aquatic life with long lasting effects.
 No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. The product contains the following substances which are hazardous for the environment: Naphtha (petroleum), heavy straight-run; 1-Chloro-4-trifluoromethyl benzene; Naphtha (petroleum), hydrodesulfurized heavy.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Naphtha (petroleum), heavy straight-run	64741-41-9	8.2 mg/L (Fathead minnow) (Read-across)	N/Av	None.
1-Chloro-4-trifluoromethyl benzene	98-56-6	3 mg/L (Zebra fish)	N/Av	None.
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	8.2 mg/L (Fathead minnow) (Read-across)	N/Av	None.
Iron oxide	1309-37-1	> 50 000, < 100 000 mg/L (Zebra fish)	N/Av	None.
Methyl ethyl ketoxime	96-29-7	> 100 mg/L (Japanese ricefish)	N/Av	None.
Calcium 2-ethylhexanoate	136-51-6	> 100 mg/L (Japanese ricefish) (Read-across)	N/Av	None.
Ethylbenzene	100-41-4	4.2 mg/L (Rainbow trout)	1.13 mg/L (30 days) (QSAR)	None.

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<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Naphtha (petroleum), heavy straight-run	64741-41-9	4.5 mg/L (Daphnia magna) (Read-across)	2.6 mg/L (Read-across)	None.
1-Chloro-4-trifluoromethyl benzene	98-56-6	2 mg/L (Daphnia magna)	N/Av	None.
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	4.5 mg/L (Daphnia magna) (Read-across)	2.6 mg/L (Read-across)	None.
Iron oxide	1309-37-1	> 100 mg/L (Daphnia magna)	N/Av	None.
Methyl ethyl ketoxime	96-29-7	201 mg/L (Daphnia magna)	> 100 mg/L	None.
Calcium 2-ethylhexanoate	136-51-6	85.4 mg/L (Daphnia magna) (Read-across)	25 mg/L (Read-across)	None.
Ethylbenzene	100-41-4	1.81 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Naphtha (petroleum), heavy straight-run	64741-41-9	3.1 mg/L/72hr (Green algae) (Read-across)	0.5 mg/L/72hr (Read-across)	None.
1-Chloro-4-trifluoromethyl benzene	98-56-6	> 0.41 mg/L/72hr (Green algae)	0.41 mg/L/72hr	None.
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	3.1 mg/L/72hr (Green algae) (Read-across)	0.5 mg/L/72hr	None.
Iron oxide	1309-37-1	N/Av	N/Av	None.
Methyl ethyl ketoxime	96-29-7	11.8 mg/L/72hr (Green algae)	2.56 mg/L/72hr	None.
Calcium 2-ethylhexanoate	136-51-6	49.3 mg/L/72hr (Green algae) (Read-across)	N/Av	None.
Ethylbenzene	100-41-4	3.6 mg/L/96hr (Green algae)	3.4 mg/L/96hr	None.

Persistence and degradability

- : No data is available on the product itself.
- The following ingredients are considered to be readily biodegradable: Naphtha (petroleum), hydrodesulfurized heavy.
- Contains the following chemicals which are considered to be inherently biodegradable: Naphtha (petroleum), heavy straight-run.
- Contains the following chemicals which are not readily biodegradable: 1-Chloro-4-trifluoromethyl benzene.



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Bioaccumulation potential : No data is available on the product itself. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Naphtha (petroleum), heavy straight-run (CAS 64741-41-9)	2.1 - 6 (calculated)	N/Av
1-Chloro-4-trifluoromethyl benzene (CAS 98-56-6)	3.7	121 - 202
Naphtha (petroleum), hydrodesulfurized heavy (CAS 64742-82-1)	2.1 - 6 (calculated)	142 - 11 430 (calculated)
Methyl ethyl ketoxime (CAS 96-29-7)	0.65	0.5 - 0.6 (common carp)
Calcium 2-ethylhexanoate (CAS 136-51-6)	2.96 (Read-across)	N/Av
Ethylbenzene (CAS 100-41-4)	3.15	1.1 - 1.5

Mobility in soil : No data is available on the product itself.

Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle waste according to recommendations in Section 7. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

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SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN1263	PAINT	3	III	
TDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. This product meets the criteria for an environmentally hazardous material according to the IMDG Code. This material may be shipped as an exempted marine pollutant in accordance with TDG Section 1.45.1 and Special Provision 99.				
49CFR/DOT	UN1263	PAINT	3	III	
49CFR/DOT Additional information	This material may be reclassified as a 'Combustible liquid', when shipping by ground within the United States only. Combustible liquids may be shipped as non-hazardous material when shipped in non-bulk containers (450 L / 119 Gallons or less).				
ICAO/IATA	UN1263	Paint	3	III	
ICAO/IATA Additional information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material. This material may be considered an Environmentally Hazardous Substance. No additional marking is required but the 'Environmentally hazardous substance' mark may be used when required by other international or national transport regulations.				
IMDG	UN1263	PAINT	3	III	
IMDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. This product meets the criteria for an environmentally hazardous material according to the IMDG Code. The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material.				

Special precautions for user : Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame. - No smoking.

Environmental hazards : This product meets the criteria for an environmentally hazardous material according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
 : Not applicable.



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SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Naphtha (petroleum), heavy straight-run	64741-41-9	Yes	None.	None.	No	N/Ap
1-Chloro-4-trifluoromethyl benzene	98-56-6	Yes	None.	None.	No	N/Ap
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	Yes	None.	None.	No	N/Ap
Iron oxide	1309-37-1	Yes	None.	None.	No	N/Ap
Methyl ethyl ketoxime	96-29-7	Yes	None.	None.	No	N/Ap
Calcium 2-ethylhexanoate	136-51-6	Yes	None.	None.	No	N/Ap
Ethylbenzene	100-41-4	Yes	1000 lb/ 454 kg	None.	Yes	0.1%

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes:

Physical hazards (Flammable liquid)

Health hazards (Skin irritation; Carcinogenicity; Reproductive toxicity; Specific target organ toxicity, single exposure)

Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Naphtha (petroleum), heavy straight-run	64741-41-9	No	N/Ap	No	No	No	No	No	No
1-Chloro-4-trifluoromethyl benzene	98-56-6	No	N/Ap	No	No	No	No	No	No
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	No	N/Ap	No	No	No	No	No	No
Iron oxide	1309-37-1	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Methyl ethyl ketoxime	96-29-7	No	N/Ap	No	No	Yes	No	No	No
Calcium 2-ethylhexanoate	136-51-6	No	N/Ap	No	No	No	No	No	No
Ethylbenzene	100-41-4	Yes	Cancer	Yes	Yes	Yes	Yes	Yes	Yes



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Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian National Pollutant Release Inventory (NPRI): This product contains the following substances listed on the NPRI:
 Ethylbenzene (Part 1, Group A Substance)

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	<u>CAS #</u>	<u>European EINECs</u>	<u>Australia AICS</u>	<u>Philippines PICCS</u>	<u>Japan ENCS</u>	<u>Korea KECI/KECL</u>	<u>China IECS</u>	<u>New Zealand IOC</u>
Naphtha (petroleum), heavy straight-run	64741-41-9	265-041-0	Present	Present	Not listed	KE-25616	Present	May be used as a component in a product covered by a group standard, but is not approved for use as a chemical in its own right.
1-Chloro-4-trifluoromethyl benzene	98-56-6	202-681-1	Present	Present	(3)-53	KE-05928	Present	HSR005269 (dilution)
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	265-185-4	Present	Present	(9)-1698	KE-25620	Present	May be used as a single component chemical under an appropriate group standard.
Iron oxide	1309-37-1	215-168-2	Present	Present	(5)-5189; (5)-5188; (5)-5163; (1)-357; (1)-1073	KE-10897	Present	May be used as a single component chemical under an appropriate group standard.
Methyl ethyl ketoxime	96-29-7	202-496-6	Present	Present	(2)-546	KE-03881	Present	HSR001191
Calcium 2-ethylhexanoate	136-51-6	205-249-0	Present	Present	(2)-611	KE-04537	Present	HSR007441
Ethylbenzene	100-41-4	202-849-4	Present	Present	(3)-60; (3)-28	KE-13532	Present	HSR001151

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- CAS: Chemical Abstract Services
- CSA: Canadian Standards Association
- EC50: Effective Concentration 50%
- ENCS: Existing and New Chemical Substances
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- IMDG: International Maritime Dangerous Goods
- Inh: Inhalation

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IOC: Inventory of Chemicals
 IUCLID: International Uniform Chemical Information Database
 KECI: Korean Existing Chemicals Inventory
 KECL: Korean Existing Chemicals List
 LC: Lethal Concentration
 LD: Lethal Dose
 N/Av: Not Applicable
 N/Av: Not Available
 NIOSH: National Institute of Occupational Safety and Health
 NOEC: No observable effect concentration
 OECD: Organisation for Economic Co-operation and Development
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
 PEL: Permissible exposure limit
 PICCS: Philippine Inventory of Chemicals and Chemical Substances
 RTECS: Registry of Toxic Effects of Chemical Substances
 SDS: Safety Data Sheet
 STEL: Short Term Exposure Limit
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations
 TLV: Threshold Limit Values
 TWA: Time Weighted Average
 TSCA: Toxic Substance Control Act
 WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2017.
- 2. International Agency for Research on Cancer Monographs, searched 2017.
- 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2017 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - March 2015 version.
- 6. California Proposition 65 List - January 27, 2017 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2017.

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Other special considerations for handling

: Provide adequate information, instruction and training for operators.

<p><u>Prepared for:</u> NLS Products Box 790, 1 Lakewood Crescent Bobcaygeon, ON, Canada K0M 1A0 Telephone: (705) 738-2321 Direct all enquiries to: NLS Products</p>	
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