



WAX AND GREASE REMOVER

Safety Data Sheet PRO51-US

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : WAX AND GREASE REMOVER
Product code : PRO51-1L, PRO51-5L

1.2. Recommended use and restrictions on use

Recommended use : Degreaser

1.3. Supplier

PRO LINE PERFORMANCE PRODUCTS
P.O. Box PO BOX 1136
WA 98507 - USA

1.4. Emergency telephone number

Emergency number : Chemtrec : 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable liquids Category 3 Flammable liquid and vapor
Specific target organ toxicity (single exposure) Category 3 May cause drowsiness or dizziness
Aspiration hazard Category 1 May be fatal if swallowed and enters airways

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

Flammable liquid and vapor
May be fatal if swallowed and enters airways
May cause drowsiness or dizziness

Precautionary statements (GHS US) :

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing fume, spray, vapors.
Use only outdoors or in a well-ventilated area.
Wear face protection, protective clothing, protective gloves.
If swallowed: Immediately call a doctor
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
If inhaled: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER if you feel unwell
Do NOT induce vomiting.
In case of fire: Use foam, extinguishing powder, dry sand to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
hydrocarbons C9 – 10 n-alkanes, isoalkanes, cyclics, <2% aromatics	(CAS-No.) 1174921-73-3	100	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

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 general	: Call a poison center/doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell. Call a physician immediately. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Wash skin with plenty of water. Take off contaminated clothing. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately. Call a poison center/doctor/physician if you feel unwell.

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

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after ingestion	: Risk of lung edema.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

Fire hazard	: Flammable liquid and vapor.
Reactivity	: Flammable liquid and vapor.

5.3. Special protective equipment and precautions for fire-fighters

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

6.1.1. For non-emergency personnel

Protective equipment	: Safety glasses. Protective clothing. Gloves.
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing fume, vapors.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage. Contain released product, pump into suitable containers.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

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6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing vapors, fume.

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

Technical measures : Ground/bond container and receiving equipment.

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

Storage temperature : < 25 °C

Storage area : Store in a well-ventilated place.

Special rules on packaging : Keep only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

hydrocarbons C9 – 10 n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)

Not applicable

8.2. Appropriate engineering controls

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

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

Materials for protective clothing:

Impermeable clothing

Hand protection:

Protective gloves

Type	Material	Permeation	Thickness (mm)	Permeation
Nitrile rubber (NBR) /	Nitrile rubber (NBR)			

Eye protection:

Safety glasses

Type	Use	Characteristics
Safety goggles		

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid. : Colorless : aromatic
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 143 - 160 °C
Flash point	: 27 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: 10 hPa
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 0.75 g/cm ³
Solubility	: Immiscible with water.
Log Pow	: No data available
Auto-ignition temperature	: 287 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: 0.91 mm ² /s
Viscosity, dynamic	: ≈
Explosion limits	: 0.6 - 8 vol %
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

As Packaged Regulatory VOC	: 750 g/l (6.34 lb/gal)
As Packaged Actual VOC	: 750 g/l (6.34 lb/gal)
As Applied Regulatory VOC	: 750 g/l (6.34 lb/gal)
As Applied Actual VOC	: 750 g/l (6.34 lb/gal)
Exempt Compounds by volume	: 0 vol %
Exempt Compounds by weight	: 0 wt%
Volatiles	: 100.0 wt%
% HAPS	: 0 wt%
Percent Solids	: 0 wt%
Percent Solids	: 0 vol %

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

hydrocarbons C9 – 10 n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

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
Specific target organ toxicity – single exposure : May cause drowsiness or dizziness.

hydrocarbons C9 – 10 n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)

Specific target organ toxicity – single exposure	May cause drowsiness or dizziness.
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Specific target organ toxicity – repeated exposure : Not classified
Aspiration hazard : May be fatal if swallowed and enters airways.
Viscosity, kinematic : 0.91 mm²/s
Symptoms/effects : May cause drowsiness or dizziness.
Symptoms/effects after ingestion : Risk of lung edema.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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LC50 fish 1	10 - 100 mg/l
ErC50 (algae)	> 100 mg/l
NOEC chronic fish	0.1 - 1 mg/l

hydrocarbons C9 – 10 n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)

LC50 fish 1	10 - 100 mg/l
NOEC chronic fish	1 mg/l

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No test data of component(s) available.
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12.4. Mobility in soil

No additional information available

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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Do not discharge into the sewer. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste.
Additional information	: Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description	: UN1268 Petroleum products, n.o.s, 3, III
UN-No.(DOT)	: UN1268
Proper Shipping Name (DOT)	: Petroleum products, n.o.s
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT)	: III - Minor Danger
Hazard labels (DOT)	: 3 - Flammable liquid



DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Special Provisions (49 CFR 172.102)	: 144 - If transported as a residue in an underground storage tank (UST), as defined in 40 CFR 280.12, that has been cleaned and purged or rendered inert according to the American Petroleum Institute (API) Standard 1604 (IBR, see 171.7 of this subchapter), then the tank and this material are not subject to any other requirements of this subchapter. However, sediments remaining in the tank that meet the definition for a hazardous material are subject to the applicable regulations of this subchapter. B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). 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, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, 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)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

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Emergency Response Guide (ERG) Number : 128
Other information : No supplementary information available.

Transportation of Dangerous Goods

Transport document description : UN1268 PETROLEUM DISTILLATES, N.O.S., 3, III
UN-No. (TDG) : UN1268
Proper Shipping Name (Transportation of Dangerous Goods) : PETROLEUM DISTILLATES, N.O.S.
TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids
Packing group : III - Minor Danger
TDG Special Provisions : 91 - Despite paragraph 13.1.5(c) of CGSB-43.146, these dangerous goods may, after January 1, 2010, be handled, offered for transport or transported in a means of containment on a road vehicle, a railway vehicle or a ship on a domestic voyage if the means of containment was manufactured before January 1, 2003 and the following information is set out on a metal label in a holder that is welded to the tank head or to another readily visible location on the tank: (a) the name of the tank's manufacturer; (b) the metal thickness of the tank in millimetres; (c) the capacity of the tank in litres; (d) the year that the tank was manufactured; (e) the label of the Underwriters' Laboratories of Canada (ULC); (f) the words "Mobile Refuelling Tank – ULC/ORD-C142.13"; (g) the words "Not Authorized for Transport of Dangerous Goods Requiring a Specification Tank"; (h) in the case of a tank designed for mounting on a truck or trailer platform, the words "This Tank Shall Be Secured to the Truck or Trailer Platform by the Means Provided By the Tank Manufacturer"; and (i) in the case of a skid-equipped tank that provides clearances of at least 300 mm to grade, the words "Suitable for Towing over Graded Surfaces Only".
SOR/2014-152,92 - (1) The consignor must classify these dangerous goods on the basis of samples. (2) The consignor must make available to the Minister, on reasonable notice given by the Minister, a document that explains the sampling method and includes the following information: (a) the scope of the method; (b) the sampling apparatus; (c) the sampling procedures; (d) the frequency and conditions of sampling; and (e) a description of the quality control management system in place. Many methods are available for the sampling of petroleum products. An example can be found in American Society for Testing and Materials Standard ASTM D4057-12, "Standard Practice for Manual Sampling of Petroleum and Petroleum Products". The frequency and conditions of sampling should allow for the variability of the dangerous goods to ensure representativeness. The classification assigned to the dangerous goods should reflect the properties of the dangerous goods during transport.
SOR/2014-152,150 - An emergency response assistance plan (ERAP) is required for these dangerous goods under subsection 7.1(6) of Part 7 (Emergency Response Assistance Plan).
Explosive Limit and Limited Quantity Index : 5 L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 60 L

Transport by sea

Transport document description (IMDG) : UN 1268 PETROLEUM DISTILLATES, N.O.S., 3, III
UN-No. (IMDG) : 1268
Proper Shipping Name (IMDG) : PETROLEUM DISTILLATES, N.O.S.
Class (IMDG) : 3 - Flammable liquids
Packing group (IMDG) : III - substances presenting low danger
Limited quantities (IMDG) : 5 L

Air transport

Transport document description (IATA) : UN 1268 Petroleum distillates, n.o.s., 3, III
UN-No. (IATA) : 1268
Proper Shipping Name (IATA) : Petroleum distillates, n.o.s.
Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

hydrocarbons C9 – 10 n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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15.2. International regulations

CANADA

hydrocarbons C9 – 10 n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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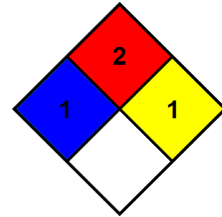
Full text of H-phrases:

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



SDS US GHS (GHS HazCom2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.