

# STIHL CLEANER/DEGREASER

Packaged for Stihl Incorporated, 536 Viking Drive, Virginia Beach, VA 23452



## Safety Data Sheet

Conforms to HCS 2012 (29 CFR 1910.1200)

### Section 1. Identification

#### Product identifier

<b>Product Name:</b>	<b>STIHL CLEANER/DEGREASER</b>
<b>Other names:</b>	F38
<b>Part/Product Number(s):</b>	<b>0000-881-9402, 7010-871-0180, 7010-871-0214, 7010-881-9401</b>
<b>Material Use:</b>	Multi-purpose cleaner/degreaser
<b>Uses advised against:</b>	None identified
<b>Manufacturer:</b>	Omni Specialty Packaging, LLC 10399 Hwy 1 South Shreveport, LA 71115 1-318-524-1100
<b>Issuing date:</b>	May 24, 2015
<b>Revision date:</b>	June 2, 2015
<b>Revision number:</b>	001
<b>Company contact:</b>	OMNI EHS Department; E-Mail: <a href="mailto:sds@osp.cc">sds@osp.cc</a> ; Contact phone: 318-524-1100 (Monday-Friday, 8:00 AM – 4:00 PM, CST)
<b><u>In case of emergency</u> :</b>	CHEMTREC: Within USA and Canada: 1 (800) 524-9300 (24/7) CHEMTREC Outside USA and Canada: +1 703-527-3887 (24/7)

### Section 2. Hazards Identification

**OSHA/HCS Status:** This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or Mixture:** Serious Eye Damage/Eye Irritation – Category 1

#### GHS Label Elements



<b>Hazard pictograms:</b>	
<b>Signal word:</b>	DANGER
<b>Health Hazard statement:</b>	Causes severe skin burns and eye damage.

#### Precautionary statements

<b>General:</b>	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
<b>Prevention:</b>	Use personal protective equipment as required. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response:</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or a doctor/physician.
<b>Storage:</b>	Store locked up. Store in a well-ventilated place.
<b>Disposal:</b>	Dispose of contents/container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC):** None known.

**Other Information:** Personnel with pre-existing skin disorders should avoid contact with this product.

### Section 3. Composition/Information on Ingredients

Bio-degradable cleaner/degreaser.

**Substance/mixture:** Mixture

<u>Components Name</u>	<u>CAS number</u>	<u>Weight %*</u>
Deionized water	7732-18-5	85 – 95
DDBSA	68584-22-5	<10
Caustic Soda 50% Solution	1310-73-2	<5
Triton BG-10	68515-73-1	<1
Versene 100	64-02-8	<1
Tergitol 15-S-9	84133-50-6	<5

This product does not contain known hazardous materials at the  $\geq 1\%$  level or known carcinogens at the  $\geq 0.1\%$  level as defined by 29 CFR 1910.1200.

\* The exact percentage of composition has been withheld as a trade secret.

### Section 4. First Aid Measures

#### Description of necessary first aid measures

- Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention if irritation develops and persists.
- Skin contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give mouth-to-mouth resuscitation. Get medical attention if symptoms develop or persist.
- Ingestion:** Do NOT induce vomiting. Seek immediate medical attention. Immediately call local poison control center or physician. Never give anything by mouth to or induce vomiting in an unconscious or drowsy person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs.
- Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8).
- Note to physician:** Treat symptomatically.

### Section 5. Fire-Fighting Measures

**Uniform Fire Code:** Not flammable

**Flash Point:** Not applicable

#### Extinguishing Media

**Suitable Media:** In case of fire, use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water fog, alcohol resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>) extinguisher or spray.

**Unsuitable Media:** CAUTION: Use of water spray when fighting fire may be inefficient.

#### **Specific Hazards Arising from the Chemical:**

Fire residues and contaminated fire extinguishing water must be contained, prevented from being discharged to any waterway, sewer or drain and disposed of in accordance with local regulations.

**Hazardous Combustion Products:** Combustion products may include the following: Carbon dioxide (CO<sub>2</sub>) Carbon monoxide (CO), and Nitrogen oxides.

**Protection of Fire Fighters:** Incipient fire responders should wear eye protection. Structural firefighters must wear self-contained breathing apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Maintain adequate ventilation. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment recommended in Section 8. Floors may be slippery; use care to avoid falling.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Ensure adequate ventilation. See also the information in "For non-emergency personnel".

**Environmental precautions:** Avoid dispersal of spilled material onto soil or into waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). See Section 12 for ecological information.

### Methods and materials for containment and cleaning up

**Small Spills:** Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large Spills:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

NOTE: If RQ (Reportable Quantity) is exceeded or if spills enter a body of water, report immediately to the USEPA's National Response Center at (800) 424-8802. Check with your local and state regulators regarding their reporting requirements.

## Section 7. Handling and Storage

### Precautions for safe handling

**Protective measures:** Safety glasses with side shields. Eye protection and face shield should be used if material is used under conditions that increase the chances of splattering. Put on appropriate personal protective equipment (see Section 8). Keep out of reach of children.

**Advice on general occupational hygiene:** Do not get in eyes, on skin or on clothing. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from food and drink. Keep container tightly closed and sealed until ready for use.

## Section 8. Exposure Controls/Personal Protection

### Control parameters

Occupational Exposure Limits

Chemical name	ACGIH		OSHA		NIOSH	
	TLV	CEILING	PEL	STEL	TWA	CEILING
Deionized water	Not listed	Not listed	Not listed	Not Listed	Not listed	Not listed
DDBSA	Not listed	Not listed	Not listed	Not Listed	Not listed	Not listed
Caustic Soda 50% Solution	-	2 mg/m3	2 mg/m3	-	Not listed	Not listed
Triton BG-10	Not listed	Not listed	Not listed	Not Listed	Not listed	Not listed
Versene 100	Not listed	Not listed	Not listed	Not Listed	Not listed	Not listed
Tergitol 15-S-9	Not listed	Not listed	Not listed	Not Listed	Not listed	Not listed

**Appropriate engineering controls:** Good general ventilation should be sufficient for normal use. For operations where the TLV/PEL may be exceeded, forced ventilation such as local exhaust may be used to maintain exposures below applicable limits.

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

##### Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

##### Eye/Face Protection:

Wear safety glasses with side shields. A face shield may be necessary under some conditions.

#### Skin and Body Protection

##### Hand protection:

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves.

##### Body protection:

No protective equipment is needed under normal use conditions. For non-routine tasks, personal protection equipment for the body should be selected based on the task being performed and the risks involved.

##### Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

##### Respiratory protection:

No respiratory protection is normally required. For operations where the TLV/PEL may be exceeded, a NIOSH approved respirator with organic vapor and particulate cartridges. Equipment selection depends on contaminant type and concentration. Select in accordance with 20 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

## Section 9. Physical and Chemical Properties

<u>Appearance</u>	<u>(Typical or Target)</u>
<u>Physical State:</u>	Liquid
<u>Appearance:</u>	Bright & clear
<u>Odor:</u>	Pleasant odor
<u>Odor threshold:</u>	Not available
<u>pH:</u>	11.5 - 13
<u>Boiling Point:</u>	Not available
<u>Flash Point (Closed cup):</u>	Non flammable
<u>Evaporation rate (Butyl acetate = 1):</u>	Not available
<u>Flammability (solid, gas):</u>	Not applicable. Based on - Physical state
<u>Flammable) Limit in Air</u>	Not available
<u>Vapor pressure:</u>	Not available
<u>Vapor density (Air = 1):</u>	>1
<u>Relative density:</u>	1.01 – 1.05 g/ml3 at 15°C
<u>Solubility:</u>	In soluble in water
<u>Partition coefficient (n-Octanol/water):</u>	Not available
<u>Auto-ignition temperature:</u>	Not available
<u>Decomposition temperature:</u>	Not available
<u>Viscosity – Kinematic (cSt (mm2/s)@ 40°C):</u>	Not available

Viscosity – Kinematic (cSt (mm<sup>2</sup>/s) @ 100°C): Not available  
 VOC %: 0 %

## Section 10. Stability and Reactivity

**Reactivity:** Not reactive under normal storage conditions  
**Chemical stability:** Stable under normal storage conditions  
**Possibility of hazardous reactions:** None under normal processing.  
**Hazardous polymerization:** Hazardous polymerization does not occur.  
**Conditions to avoid:** Heat, flames and sparks.  
**Incompatible materials:** None known  
**Hazardous decomposition products:** None known

## Section 11. Toxicological Information

### Information on toxicological effects

**Basis for Assessment:** Information given is based on product data, knowledge of the components and the toxicity of similar products.

**Likely Routs of Exposure:** Exposure may occur via eye contact, skin contact, ingestion, skin absorption, inhalation.  
**Substance/Mixture**

Acute Toxicity	Oral LD50	Dermal LD50	Inhalation LC50
Deionized water	>5000 mg/Kg (rat)	>5000 mg/Kg (rabbit)	-
DDBSA	650 mg/Kg (rat)	2000 mg/Kg (rabbit)	-
Caustic Soda 50% Solution	140-340 mg/kg (rat)	1350 mg/Kg (rabbit)	-
Triton BG-10	>412 mg/Kg (rat)	3730 mg/Kg (rabbit)	-
Versene 100	3030 mg/kg (rat)	>14000 mg/Kg (rabbit)	-
Tergitol 15-S-9	>412 mg/Kg (rat)	14000 mg/Kg (rabbit)	-

**Aspiration hazard:** Not expected to be an aspiration hazard.  
**Skin Corrosion/Irritation:** Skin contact with corrosive substances can cause skin burns.  
**Serious Eye Damage/Irritation:** Eye contact with corrosive substances can cause eye burns.  
**Skin Sensitization:** Not a skin sensitizer.  
**Respiratory Sensitization:** Not a respiratory sensitizer.  
**Specific Target Organ Toxicity (Single Exposure) - STOT-SE:** No known significant effects or critical hazards.  
**Specific Target Organ Toxicity (Repeated Exposure) – STOT-RE:** No known significant effects or critical hazards.  
**Carcinogenicity:** No known significant effects or critical hazards.  
**Germ Cell Mutagenicity:** No known significant effects or critical hazards.  
**Reproductive Toxicity** No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates:

The following values are calculated based on chapter 3.1 of the GHS document.

**ATEmix (oral)** = 2635 (Acute Toxicity – Oral – Category 5; Low toxicity)

**ATEmix (dermal)** = 4384 (Acute Toxicity – Dermal – Category 5; Low toxicity)

## Section 12. Ecological Information

The information is based on data available for the material, the components of the material, and similar materials.

**Ecotoxicity:** Not expected to be harmful to aquatic organisms.  
**Mobility:** No data available.  
**Soil/water partition coefficient (K<sub>oc</sub>):** Not available.

### Persistence and degradation

<b>Biodegradation:</b>	Expected to be readily biodegradable.
<b><u>Bioaccumulative potential</u></b> <b>Bioaccumulation:</b>	This product is not expected to bioaccumulate through food chain in the environment.
<b>Other adverse effects:</b>	No known significant effects or critical hazards.
<b>Other ecological information:</b>	No known significant effects or critical hazards.

## Section 13. Disposal Considerations

### Disposal recommendations based on material supplied.

<b><u>Waste treatment methods:</u></b>	This material as supplied is not a hazardous waste according to Federal regulations (40 CFR 261). Consult the appropriate state, regional, or local regulations for additional requirements. The generation of waste should be avoided or minimized wherever possible.
<b>Product waste:</b>	Significant quantities of waste product residues should not be disposed of via the sanitary sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Never dispose of used degreasing rinsates into lakes, streams, open bodies of water or storm drains.
<b>Contaminated packaging:</b>	Empty containers or liners may be offered for recycling.
<b>Other information:</b>	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport Information

**General information:** Consumer Product Packaging - Not regulated.

	DOT Classification	IMDG	IATA
Stihl Cleaner / Degreaser	Not Regulated	Not Regulated	Not Regulated

**Special precautions for user:** Transport within user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory Information

### United States Regulations

**United States Inventory (TSCA 8b):** All components are listed or exempted.

**SARA 302/304:** No products were found.

**SARA 311/312:**

Immediate (Acute) Health Effects:	Yes
Delayed (Chronic) Health Effects:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No

**SARA 313:**

The following components of this material are found on the EPCRA 313 list:  
None

**Supplier notification:** This product does not contain any hazardous ingredients at or above regulated thresholds.

**CWA (Clean Water Act):** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA:** This material, as supplied, does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

**State Regulations****Massachusetts:**

The following components are listed: None.

**New Jersey:**

The following components are listed: None.

**Pennsylvania:**

The following components are listed: None.

**California Proposition 65:**

WARNING: This product contains a chemical known to the State of California to cause cancer. None.

**Canada****WHMIS Hazard Class:** Not classified.**International Chemical Inventories:**

All components comply with the following chemical inventory requirements: DSL (Canada).

**Section 16. Other Information**

<b>NFPA Rating:</b>	<b>Health Hazard – 2</b>	<b>Flammability – 0</b>	<b>Instability/Reactivity – 0</b>
<b>HMIS Rating:</b>	<b>Health Hazard – 2</b>	<b>Flammability – 0</b>	<b>Physical Hazards – 0</b>

(NFPA & HMIS Hazard Rating Key: 0 - Minimum Hazard; 1 - Slight Hazard; 2 - Moderate Hazard; 3 - High Hazard; 4 - Extreme Hazard; \* - Chronic Hazard Indicator, & PPE - Personal Protective Equipment Index A to L. These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS or Hazardous Material Identification System).

**Key to abbreviations:**

OSHA = Occupational Safety and Health Administration  
 ACGIH= American Conference of Industrial Hygienists  
 ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 CAS = Chemical Abstracts Service Registry Number  
 cSt = Centistroke (mm<sup>2</sup>/s)  
 GHS = Global Harmonized System of Classification and Labeling  
 Of Chemicals.  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient  
 OEL = Occupational Exposure Limit  
 SDS = Safety Data Sheet  
 STEL = Short term exposure Limit  
 UN = United Nations  
 UN Number = United Nations Number, a four digit number  
 assigned by the United Nations Committee of Experts on  
 the Transportation of Dangerous Goods

**Prepared By: OMNI Specialty Packaging EH&S Department****Revision Date: June 2, 2015****Status: Final****Revision Note: Revision 001 of OSHA GHS SDS format.****Consumer Product Improvement Act of 2008, General Conformity Certification**

**For Consumer Product Packages: This product has been evaluated and is certified to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission. Where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No testing is required to certify compliance with the provisions. The date of the manufacturing is stamped on the product container.**

**Disclaimer**

All reasonably practicable steps have been taken to ensure the information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This information is furnished upon condition that the person receiving it shall make their own determination of the suitability of the material for their particular purpose.

**End of Safety Data Sheet**