

# Safety Data Sheet

according to OSHA Hazard Communication  
29 CFR Part 1910.1200



## SECTION 1. Identification

**Product Code** 38649

**Product Name:** 38649  
Spot Off / AWT

**Supplied by:** **A.W.T. World Trade, Inc.**  
**4321 N. Knox Avenue**  
**Chicago, IL 60641**  
**773-777-7100 Fax: 773-777-0909**

**24 Hour Emergency:**  
**INFOTRAC: 1-800-535-5053**

**Outside U.S. and Canada**  
**Infotrac: 352-323-3500**

NOTE: INFOTRAC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

## SECTION 2. Hazard(s) Identification

\*\*\* EMERGENCY OVERVIEW \*\*\*: Causes damage to organs. Causes serious eye irritation. Suspect cancer hazard.

### GHS Classification

Acute Tox. 4 Inhalation, Carc. 2, Eye Irrit. 2, Skin Irrit. 2, STOT RE 2, STOT SE 1, STOT SE 3 NE, STOT SE 3 RTI

### Symbol(s) of Product



### Signal Word

Danger

### GHS HAZARD STATEMENTS

Skin Irritation, category 2	H315	Causes skin irritation.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Carcinogenicity, category 2	H351	Suspected of causing cancer.
STOT, single exposure, category 1	H370	Causes damage to organs.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.

### GHS PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of 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.

P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor/physician
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see first aid section on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Methylene chloride	75-09-2	50-75	GHS07-GHS08	H315-319-335-336-351-370-373
Tetrachloroethylene, stabilized	127-18-4	25-50	GHS07-GHS08	H304-315-320-332-336-351-373
Aliphatic hydrocarbon	64742-47-8	1.0-2.5	GHS02-GHS07-GHS08	H226-304-315-320-336

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

### SECTION 4. First-Aid Measures



**FIRST AID - EYE CONTACT:** Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly. Remove contact lenses if worn.

**FIRST AID - SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse. Remove contaminated shoes and clothes and clean before reuse.

**FIRST AID - INHALATION:** Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

**FIRST AID - INGESTION:** Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone. Do not induce vomiting. Do not give liquids. Obtain emergency medical attention.

### SECTION 5. Fire-Fighting Measures

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors/dust may form explosive mixture with air. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.

**SPECIAL FIREFIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Avoid use of solid water streams. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

### SECTION 6. Accidental Release Measures

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## SECTION 7. Handling and Storage



**HANDLING:** Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Take precautionary measures against static discharge. When transferring, follow proper grounding procedures. Use spark-resistant tools. Do not load into compartments adjacent to heated cargo. Use explosion proof equipment. Always open containers slowly to allow any excess pressure to vent. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

**STORAGE:** Keep away from heat, sparks, and flame. Containers can build up pressure if exposed to heat (fire). Store containers in a cool, well ventilated place. Keep container closed when not in use. Protect from direct sunlight. Static Discharge, materials can accumulate static charges which can cause an incendiary electrical discharge. Material is a static accumulator which has the potential of forming ignitable vapor-air mixtures in storage tanks.

## SECTION 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Methylene chloride	50 ppm	125 ppm	25 ppm	N.D.
Tetrachloroethylene, stabilized	25 ppm	100 ppm	100 ppm	200 ppm
Aliphatic hydrocarbon	100 ppm	N.D.	500 ppm	N.D.

### Personal Protection



**RESPIRATORY PROTECTION:** Wear a MSHA/NIOSH approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.



**SKIN PROTECTION:** Wear impervious gloves to prevent contact with the skin. Wear long sleeves when contact is likely to occur. Wear protective gear as needed - apron, suit, boots.



**EYE PROTECTION:** Wear safety glasses with side shields (or goggles) and a face shield.



**OTHER PROTECTIVE EQUIPMENT:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



**HYGIENIC PRACTICES:** Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

## SECTION 9. Physical and Chemical Properties

<b>Appearance:</b>	Liquid	<b>Physical State:</b>	Liquid
<b>Odor:</b>	TYPICAL	<b>Odor Threshold:</b>	N.D.
<b>Density, g/cm<sup>3</sup>:</b>	1.422	<b>pH:</b>	N.D.
<b>Freeze Point, °F:</b>	N.D.	<b>Viscosity:</b>	N.D.
<b>Solubility in Water:</b>	Partial	<b>Explosive Limits, vol%:</b>	0.8 - 22.0
<b>Boiling Range, °F:</b>	104 - 386	<b>Flash Point, °F:</b>	N.A.
<b>Evaporation Rate:</b>	N.D.	<b>Auto-ignition Temp., °F:</b>	N.D.
<b>Vapor Density:</b>	N.D.	<b>Vapor Pressure:</b>	N.D.

(See "Other information" Section for abbreviation legend)

## SECTION 10. Stability and Reactivity

**STABILITY:** No Information

**CONDITIONS TO AVOID:** Avoid impact, friction, heat, sparks, flame and source of ignition.

**INCOMPATIBILITY:** Keep separate from alkalis. Prevent contact with strong oxidizing agents. Keep away from strong bases. Avoid contact with amines. Avoid contact with concentrated sulfuric or nitric acid. May be corrosive to aluminum, magnesium, titanium, and their alloys. May be corrosive to iron, stainless steel, copper, and nickel in the presence of air and water, and especially at elevated temperatures. May react violently with alkali and alkaline earth metals such as sodium, potassium and barium. May react with alkaline earth metals such as sodium, potassium and barium.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed. At decomposition temperature, chlorine gas may be emitted. May release hydrogen chloride under fire conditions.

**HAZARDOUS POLYMERIZATION:** No Information

## SECTION 11. Toxicological Information



### Information on Toxicological Effects

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression). Prolonged exposure to high concentrations can cause central neurological depression and EEG abnormalities. Easily absorbed through lungs. May cause dizziness and drowsiness. May cause central nervous system depression. Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness. Excessive exposure may cause carboxyhemoglobinemia, therefore impairing the blood's ability to transport oxygen. May cause lethargy, coma or death. Exposure to a very high concentration may result in loss of consciousness and may cause abnormal heart rhythm and prove suddenly fatal.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May cause effects ranging from mild irritation to severe pain and possibly burns depending upon intensity of contact. Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes serious irritation to eyes. Symptoms may include stinging, tearing, redness and swelling.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Irritating to mouth, throat, and stomach. Ingestion may cause gastrointestinal tract irritation. Overexposure may cause nausea, diarrhea, and/or vomiting. May cause nausea and vomiting. May cause central nervous system depression. May cause dizziness and drowsiness and/or stupor.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Suspect cancer hazard. Overexposure may cause nervous system damage. May cause chemical or irritant induced asthma or bronchoconstriction. Prolonged exposure may result in memory or concentration impairment, vision disturbances, dizziness, irritability, ataxia (difficulty walking) and peripheral neuropathy. Possible reproductive hazard. Overexposure may cause kidney damage. May cause liver disorder (e.g., edema, proteinuria) and damage. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes.

**Primary Route(s) of Entry:** Eye Contact, Ingestion, Inhalation, Skin Contact

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name according to EEC</u>	<u>Oral LD50, mg/kg</u>	<u>Dermal LD50, mg/kg</u>	<u>Vapor LC50, mg/L</u>
75-09-2	Methylene chloride	>2000	>2000	>76
127-18-4	Tetrachloroethylene, stabilized	2629	>3228	N.D.
64742-47-8	Aliphatic hydrocarbon	>5,000	>2,000	>20.0

## SECTION 12. Ecological Information

**ECOLOGICAL INFORMATION:** No Information

## SECTION 13. Disposal Considerations



For more guidance and information contact our Waste Services Division at (262) 658-4000.

Always dispose of any waste in accordance with all local, state, and federal regulations.

**DISPOSAL METHOD:** Dispose of waste in accordance with all local, state and federal regulations.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASE OR SPILLED:** Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## SECTION 14. Transport Information

<b>DOT Proper Shipping Name:</b>	Toxic liquids, organic, n.o.s. (Dichloromethane and Tetrachloroethylene)	<b>Packing Group:</b>	III
<b>DOT Hazard Class:</b>	6.1	<b>Hazard SubClass:</b>	No Information
<b>DOT UN/NA Number:</b>	UN2810	<b>Resp. Guide Page:</b>	153

## SECTION 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Acute Health Hazard, Chronic Health Hazard

#### SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Methylene chloride	75-09-2
Tetrachloroethylene, stabilized	127-18-4

#### TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

### U.S. State Regulations:

#### NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.

No NJ Right-To-Know components exist in this product.

#### PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product are at or greater than 3%.

No PA Right-To-Know components exist in this product.

**CALIFORNIA PROPOSITION 65 CARCINOGENS**

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS-No.</u>
Methylene chloride	75-09-2
Tetrachloroethylene, stabilized	127-18-4

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.

**International Regulations: As follows -****CANADIAN WHMIS:**

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class: No Information

**SECTION 16. Other Information**

Revision Date: 12/11/2015 Supersedes Date: 9/24/2014

Datasheet produced by: EH&S - Regulatory Department

**HMS Ratings:**

<b>Health:</b>	2	<b>Flammability:</b>	1	<b>Reactivity:</b>	0	<b>Personal Protection:</b>	X
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**Volatile Organic Compounds, gr/ltr:** 183

DISCLAIMER: THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT REPORTED HEREIN, IF ANY, IS BASED ON A MATERIAL VOC CALCULATION. NOTE THAT SEVERAL METHODS ARE USED FOR CALCULATING VOC CONTENT AND THAT STANDARDS/ REQUIREMENTS REGARDING VOC CONTENT VARY BY LOCATION/JURISDICTION. ACCORDINGLY, EMCO MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS MATERIAL'S COMPLIANCE WITH VOC STANDARDS/ REQUIREMENTS APPLICABLE IN LOCATIONS/JURISDICTIONS WHERE THIS MATERIAL MAY BE SOLD OR USED.

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H320	Causes eye irritation
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H370	Causes damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

GHS02



GHS07



GHS08



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information on this SDS was obtained from sources which we believe to be reliable. However, the information provided is without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information and recommendations are offered for the user's consideration and examination and should be used to make an independent determination of the methods to safeguard workers and the environment. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For these reasons we do not assume responsibility and expressly disclaim any liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS may not be applicable. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.