



SAFETY DATA SHEET

Date Prepared : 04/09/2018
SDS No : Agent Orange

1. PRODUCT AND COMPANY IDENTIFICATION

GENERAL USE: 208-375-7200

PRODUCT DESCRIPTION: Citrus Solvent Degreaser & Multi-Purpose Product

PRODUCT CODE: Agent Orange

PRODUCT FORMULATION NAME: Orange

CHEMICAL FAMILY: Citrus Compound

MANUFACTURER

Technichem Corp
1 N Maple Grove Road
Boise, ID 83704

Emergency Contact: Brian Rencher

Emergency Phone: 208-375-7200

Customer Service: 208-375-7200

Transportation: 1-800-633-8253 PERS

24 HR. EMERGENCY TELEPHONE NUMBERS

PERS 1-800-633-8253 contract # 8575

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Causes skin and eye irritation.

GHS LABEL



Flame



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H320: Causes eye irritation.

H316: Causes mild skin irritation.

H227: Combustible liquid.

PRECAUTIONARY STATEMENTS

General:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273: Avoid release to the environment.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Water white liquid

IMMEDIATE CONCERNS: Combustible.

POTENTIAL HEALTH EFFECTS

EYES: Irritating, and may injure eye tissue if not removed promptly.

SKIN: Causes skin irritation. Allergic reactions are possible.

SKIN ABSORPTION: A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amount.

INGESTION: Do Not Induce vomiting, Drink plenty of water, Consult a physician.

INHALATION: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).



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REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: None Expected.

TERATOGENIC EFFECTS: None Expected.

CARCINOGENICITY: None Expected.

MUTAGENICITY: None Expected.

MEDICAL CONDITIONS AGGRAVATED: None known.

CANCER STATEMENT: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt.% | CAS |
|---------------|------|-----------|
| D-limonene | > 99 | 5989-27-5 |

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation and redness

SKIN: Contact causes skin irritation.

SKIN ABSORPTION: None Expected.

INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: None

FLAME PROPAGATION OR BURNING RATE OF SOLIDS: Not Established

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: None Expected.

EXPLOSION HAZARDS: None Expected.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

FIRE EXPLOSION: None Expected.

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Mop up with water and rinse

LARGE SPILL: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

AIR SPILL: None



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GENERAL PROCEDURES: Clean up spills immediately, observing precautions in Protective Equipment section.

RELEASE NOTES: Avoid runoff into storm sewers and ditches which lead to waterways.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid prolonged or repeated contact with skin.

HANDLING: Follow all SDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Keep container closed.

STORAGE TEMPERATURE: NA = Not Applicable

LOADING TEMPERATURE: NA = Not Applicable

SHELF LIFE: At least 2 years from date of manufacture

ELECTROSTATIC ACCUMULATION HAZARD: None Expected.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) and a face shield.

SKIN: Nitrile gloves

RESPIRATORY: No special ventilation requirements.

PROTECTIVE CLOTHING: normal work clothes

WORK HYGIENIC PRACTICES: Do not smoke when using this product or any chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: citrus / orange

ODOR THRESHOLD: None known.

APPEARANCE: Water white liquid

COLOR: Clear

pH: NA = Not Applicable

PERCENT VOLATILE: 100%

FLASH POINT AND METHOD: 116 - 120 F

FLAMMABLE LIMITS: .7% to 6.1%

AUTOIGNITION TEMPERATURE: 458 F

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: 340 F

FREEZING POINT: - 140 F

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Insoluble in water

EVAPORATION RATE: Orange = 1.8 Water = 1

DENSITY: Not Available

SPECIFIC GRAVITY: .838

VISCOSITY: water thin

(VOC): > to 95

10. STABILITY AND REACTIVITY

REACTIVITY: Stable.



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HAZARDOUS POLYMERIZATION: None known.
STABILITY: Stable.
CONDITIONS TO AVOID: Oxidizing materials.
POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.
HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.
INCOMPATIBLE MATERIALS: Some plastics and paints - test 1st

11. TOXICOLOGICAL INFORMATION

SKIN CORROSION/IRRITATION: Causes skin irritation.
SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation.
RESPIRATORY OR SKIN SENSITISATION: May cause allergy or asthma symptoms or breathing difficulties if inhaled
GERM CELL MUTAGENICITY: None Expected.
CARCINOGENICITY
OSHA: None
NOTES: None
REPRODUCTIVE TOXICITY: None

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Toxic to fish and other water organisms.
ECOTOXICOLOGICAL INFORMATION: None known.
BIOACCUMULATION/ACCUMULATION: None known.
AQUATIC TOXICITY (ACUTE): Toxic to fish and other water organisms.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Avoid runoff into storm sewers and ditches which lead to waterways.
FOR LARGE SPILLS: Large amounts should be collected for re-use or consigned to a licensed hazardous waste hauler for disposal.
PRODUCT DISPOSAL: Disposal should be in accordance with regulations
EMPTY CONTAINER: recycle container

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Liquid Cleaning Compound
TECHNICAL NAME: Liquid Cleaning Compound
PRIMARY HAZARD CLASS/DIVISION: NA = Not Applicable
U.S. SURFACE FREIGHT CLASS: 55
PLACARDS: None
LABEL: None
SPECIAL SHIPPING NOTES: None
ROAD AND RAIL (ADR/RID)
PROPER SHIPPING NAME: Flammable Liquid NOS - for air shipment only
UN NUMBER: UN 2319
HAZARD CLASS: 3
PACKING GROUP: III



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15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

R36/38: Irritating to eyes and skin.
S16: Keep away from sources of ignition — No smoking.
S21: When using do not smoke.
S37/39: Wear suitable gloves and eye/face protection.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: None

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: No CHRONIC: No

313 REPORTABLE INGREDIENTS: None

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None

CERCLA RQ: None

EPA

EPA RQ INGREDIENT: None

EPA RQ PRODUCT: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

| Chemical Name | CAS |
|---------------|-----------|
| D-limonene | 5989-27-5 |

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: None

16. OTHER INFORMATION

APPROVED BY: Brian Rencher TITLE: President

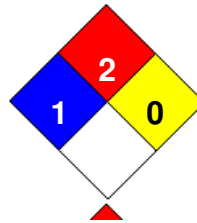
PREPARED BY: Brian Rencher Date Prepared: 04/09/2018

INFORMATION CONTACT: 208-375-7200

HMIS RATING

| | |
|---------------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 2 |
| PHYSICAL HAZARD | 1 |
| PERSONAL PROTECTION | B |

NFPA CODES



MANUFACTURER DISCLAIMER: This SDS is written with the best of our chemical knowledge and with common sense and in every day terms. If you do not understand a term or phrase please ask a supervisor.