Safety Data Sheet

Issue date 26-May-2915 **Version** 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product name CHAMPION'S CHOICE PENETRATING OIL AND DEMOISTURANT
Chemical name 7-7708-3

Other means of identification

Product code FG 438-5159-5
Synonyms Penetrating oil and demoisturant.

Recommended use of the chemical and restrictions on use

Recommended Use Stops annoying squeaks, guards against rust and corrosion, releases rusted or frozen metal parts, removes moisture.
Uses advised against See directions for use on product's label.

Details of the supplier of the safety data sheet

Supplier Address
Chase Products Co.
2727 Gardner Road
Broadview, IL 60155
708-273-1121

Manufacturer Address
Chase Products Co.
2727 Gardner Road
Broadview, IL 60155
708-273-1121

Emergency Telephone Number

Company Phone Number 708-865-1000
24 Hour Emergency Phone Number 1-800-255-3924
Emergency telephone ChemTel 1-800-255-3924

2. Hazards Identification

Classification

Acute toxicity - Inhalation (Gases)	Category 4
carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1
Gases Under Pressure	liquefied gas

Label Elements

EMERGENCY OVERVIEW

DANGER

hazard statements
HARMFUL IF INHALED
May cause cancer
Causes damage to organs through prolonged or repeated exposure
Contains gas under pressure; may explode if heated

Appearance Dark brown	**Physical State** Aerosol	**Odor** Chlorinated solvent odor

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves, protective clothing, eye protection and face protection.
Use only outdoors or in a well-ventilated area
Do not breathe fumes, mist, vapors or spray.
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product

Precautionary Statements - Response
IF exposed: Call a POISON CENTER or doctor/physician
Specific treatment: See additional cautionary statements on this label.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell.

Precautionary Statements - Storage
Store locked up
Protect from sunlight. Store in a well-ventilated place

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Other Information
• Toxic to aquatic life with long lasting effects
7.67% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients

Synonyms Penetrating oil and demoisturant.
Chemical Family MIXTURES.
Formula 7-7708-3

Chemical name	CAS No	weight-%	Trade secret
Tetrachloroethylene	127-18-4	60-65	*
Hydrotreated Heavy Naphthenic Oil	64742-52-5	15-20	*
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	5-10	*
Chloroalkanes	68920-70-7	1-5	*
Chlorinated Paraffin	63449-39-8	1-5	*
Calcium Sulfonate	61789-86-4	1-5	*
Carbon Dioxide	124-38-9	1-5	*
2-Butoxyethanol	111-76-2	1-5	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

Eye Contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advise.

inhalation If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artifical respiration, preferably mouth-to-mouth, if possible. Call a

poison control center or doctor for further treatment advise.

INGESTION Ingestion from an aerosol product is unlikely to occur. Contains petroleum distillates. Harmful if swallowed. If accidentally swallowed, do not induce vomiting, call physician immediately.

Most important symptoms and effects, both acute and delayed

Symptoms Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Contains petroleum distillates, do not induce vomiting because of aspiration neumonia hazard.

5. Fire-fighting measures

Suitable extinguishing media
Dry chemical, CO2 or water spray.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

Hazardous combustion products Thermal decomposition may yield gases like carbon monoxide, carbon dioxide, hydrogen chloride, chlorine and traces of phogene.

Explosion data
Sensitivity to Mechanical Impact Contents under pressure, keep away from heat and open flame.
Sensitivity to Static Discharge Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use in well-ventilated area ONLY. NOTICE: Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. To avoid breathing vapor or spray mist open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear an appropriate, properly fitted respirator (NIOSH approved), or leave the area. NOTE: Follow respirator manufacturer's instructions carefully for respirator use.

For emergency responders Remove all sources of ignition.

Environmental Precautions

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Provide adequate ventilation to area being treated. Soak up spills with chemically inert,

absorbent material.

Methods for cleaning up Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Avoid contact with skin. Avoid getting spray into eyes. Do not deliberately inhale vapor or mist. Do not contaminate food or food handling surfaces. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. **AEROSOL STORAGE LEVEL I (NFPA-30B) .**

Incompatible Materials Avoid heat, open flame and contact with strong acids, strong bases and strong oxidizers.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Tetrachloroethylene 127-18-4	STEL: 100 ppm TWA: 25 ppm	TWA: 100 ppm (vacated) TWA: 25 ppm (vacated) TWA: 170 mg/m^3 Ceiling: 200 ppm	IDLH: 150 ppm
Carbon Dioxide 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m^3 (vacated) TWA: 10000 ppm (vacated) TWA: 18000 mg/m^3 (vacated) STEL: 30000 ppm (vacated) STEL: 54000 mg/m^3	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m^3 STEL: 30000 ppm STEL: 54000 mg/m^3
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m^3 (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m^3 (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m^3

Appropriate engineering controls

Engineering controls Use with adequate general or local exhaust ventilation. Use in a well-ventilated area only .

Individual protection measures, such as personal protective equipment

Eye/face Protection Conventional eyeglasses to guard against splashing.

Skin and Body Protection Polyvinyl alcohol or rubber gloves required.

Respiratory protection Use in well-ventilated area ONLY. NOTICE: Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. To avoid breathing vapor or spray mist open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear an appropriate, properly fitted respirator (NIOSH approved), or leave the area. NOTE: Follow respirator manufacturer's instructions carefully for respirator use.

General hygiene considerations Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Aerosol		
Appearance	Dark brown	**Odor**	Chlorinated solvent odor
Color	Dark brown liquid	**Odor threshold**	No information available

Property	**Values**	**Remarks • Method**
pH	Not applicable	Solvent-based product.
Melting point/freezing point	Not applicable	No information available
Boiling point/boiling range	Perchloroethyle 250 °F/121 °C	No information available
Flash Point	Not Available. This is an aerosol product for which Flame Projection is 0 inches. Temperatures above 120 F may cause cans to burst. Not applicable	No information available
Evaporation Rate	Faster than butyl acetate	No information available
Flammability (solid, gas)	NA	No information available
Flammability Limits in Air		No information available
Upper flammability limits	Not available	
Lower Flammability Limit	Not available	
Vapor pressure		No information available
Vapor Density		No information available
Specific gravity	1.29 - 1.33 concentrate	No information available
Water solubility	Insoluble in water	No information available
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition Temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC content (%)	3.81
Density	10.91 b/gal
Bulk Density	No information available

10. Stability and Reactivity

Reactivity
Not applicable
no data available

Chemical stability
Stable.
Possibility of hazardous reactions
Temperatures above 130 °F may cause cans to burst with force.
hazardous polymerization Hazardous polymerization does not occur.

Conditions to Avoid
Temperatures above 122 °F (50 °C).
Incompatible Materials
Avoid heat, open flame and contact with strong acids, strong bases and strong oxidizers.
Hazardous decomposition products
Thermal decomposition may yield gases like carbon monoxide, carbon dioxide, hydrogen chloride, chlorine and traces of phogene.

11. Toxicological Information

Information on likely routes of exposure

Product Information This product has not been tested as whole. See below for information on ingredients.

inhalation no data available.

Eye Contact no data available.

Skin contact no data available.

INGESTION no data available.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Tetrachloroethylene 127-18-4	= 2629 mg/kg (Rat)	-	= 27.8 mg/L (Rat) 4 h
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
Chlorinated Paraffin 63449-39-8	= 26100 mg/kg (Rat)	> 10 mL/kg (Rabbit)	-
Calcium Sulfonate 61789-86-4	> 5000 mg/kg (Rat)	> 4000 mg/kg (Rabbit)	-
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h

Information on toxicological effects

Symptoms Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause skin irritation and reddening after prolonged or repeated contact with skin.
Serious eye damage/eye irritation Irritating to eyes.
irritation May cause skin and eye irritation.
corrosivity Not applicable.
sensitization May cause sensitization of susceptible persons.
Germ Cell Mutagenicity No information available.
carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Tetrachloroethylene 127-18-4	A3	Group 2A	Reasonably Anticipated	X
Chloroalkanes 68920-70-7		Group 2B		X
Chlorinated Paraffin 63449-39-8		Group 2B		X

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 7.67% of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 3463 mg/kg
ATEmix (dermal) 24717 mg/kg
ATEmix (inhalation-gas) 2602 mg/l
ATEmix (inhalation-dust/mist) 9.6 mg/l
ATEmix (inhalation-vapor) 30 mg/l

12. Ecological Information

This product contains chemicals which are listed as a marine pollutants according to DOT.

ecotoxicity

7.182% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Tetrachloroethylene 127-18-4	500: 96 h Pseudokirchneriella subcapitata mg/L EC50	12.4 - 14.4: 96 h Pimephales promelas mg/L LC50 flow-through 8.6 - 13.5: 96 h Pimephales promelas mg/L LC50 static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 4.73 - 5.27: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	EC50 = 100 mg/L 24 h EC50 = 112 mg/L 24 h EC50 = 120.0 mg/L 30 min	6.1 - 9.0: 48 h Daphnia magna mg/L EC50 Static
Hydrotreated Heavy Naphthenic Oil 64742-52-5		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static		100: 48 h Daphnia magna mg/L EC50
Chlorinated Paraffin 63449-39-8		0.0109: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 94.5 - 271: 96 h Oncorhynchus mykiss mg/L LC50 static 0.1: 96 h Lepomis macrochirus mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 300: 96 h Lepomis macrochirus mg/L LC50 static		102: 24 h Daphnia magna mg/L EC50
Calcium Sulfonate 61789-86-4		5.7 - 9.7: 96 h Pimephales promelas mg/L LC50 static 1.0 - 10.0: 96 h Pimephales promelas mg/L LC50 semi-static		6.2 - 12: 48 h Daphnia magna mg/L EC50
2-Butoxyethanol 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50

Persistence and degradability
See table below.

Bioaccumulation
No information available.

Chemical name	Partition coefficient
Tetrachloroethylene 127-18-4	2.53 - 2.88
Chlorinated Paraffin 63449-39-8	>6
2-Butoxyethanol 111-76-2	0.81

Other adverse effects No information available

13. Disposal Considerations

Waste treatment methods

Disposal of wastes Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Tetrachloroethylene 127-18-4	U210	Included in waste streams: F001, F002, F024, F025, F039, K016, K019, K020, K073, K116, K150, K151	0.7 mg/L regulatory level	U210

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Tetrachloroethylene 127-18-4	Category I - Volatiles		Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

Chemical name	California Hazardous Waste Status
Tetrachloroethylene 127-18-4	Toxic

14. Transport Information

DOT Limited quantity (LQ) Penetrating oil and demoisturant.

- **UN/ID no** UN1950
- **Proper Shipping Name** Limited quantity (LQ)
- **Hazard Class** 2.2
- **Marine pollutant** This product contains chemicals which are listed as a marine pollutants according to DOT.

15. Regulatory information

International Inventories

TSCA All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Subtances Control Act (TSCA) Chemical Substance Inventory.

DSL All ingredients are listed or are excluded from listing on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372. This information must be included in all SDSs that are copied and distributed for this material.

Chemical name	CAS No	weight-%	SARA 313 - Threshold Values %
Tetrachloroethylene - 127-18-4	127-18-4	60-65	0.1
2-Butoxyethanol - 111-76-2	111-76-2	1-5	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	yes
Chronic Health Hazard	yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Tetrachloroethylene 127-18-4		X	X	

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Tetrachloroethylene 127-18-4	1 lb 100 lb		RQ 1 lb final RQ RQ 0.454 kg final RQ RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Tetrachloroethylene - 127-18-4	Carcinogen
Chloroalkanes - 68920-70-7	Carcinogen
Chlorinated Paraffin - 63449-39-8	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Tetrachloroethylene 127-18-4	X	X	X
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	X		
Chlorinated Paraffin 63449-39-8		X	
Carbon Dioxide 124-38-9	X	X	X
2-Butoxyethanol 111-76-2	X	X	X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

NFPA	**Health Hazards** 2	**Flammability** 1	**Instability** 1	**Physical and chemical properties** Not applicable
HMIS	**Health Hazards** 2*	**Flammability** 1	**Physical Hazards** 1	**Personal Protection** B

Chronic Hazard Star Legend *See Section 11: TOXICOLOGICAL INFORMATION*

Prepared by Regulatory Department
Issue date 26-May-2915
Revision note
This SDS supersedes a previous MSDS dated January 19, 2006.

Disclaimer

The information provided in this Material 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 a 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.

End of Safety Data Sheet