



SAFETY DATA SHEET

1. Identification

Product identifier Hot Line Tool Cleaner & Protectant

Other means of identification

Product code 04110

Recommended use Cleaner and protectant for hot line tools.

Recommended restrictions None known.

Manufacturer / Importer / Supplier / Distributor information

Company name CRC Industries, Inc.
Address 885 Louis Drive
Warminster, PA 18974
US

Telephone General Assistance: 215-674-4300

E-mail www.crcindustries.com

Contact person technical services (800-521-3168)

Emergency phone number CHEMTREC - 24 HOURS: 800-424-9300

2. Hazard(s) identification

Physical hazards Flammable liquids Category 2

Health hazards Serious eye damage/eye irritation Category 2B

OSHA hazard(s) Not classified.

*Hazards not stated here are "Not classified", "Not applicable" or "Classification not possible".

Label elements

Hazard symbol



Signal word

Danger

Hazard statement

Highly flammable liquid and vapor. Causes eye irritation.

Precautionary statement

Prevention

Keep away from heat/sparks/open flames and hot surfaces. No smoking. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection. Wash hands thoroughly after handling.

Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use appropriate media for extinction. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

Not classified.

3. Composition/information on ingredients

Mixture

Hazardous components

Chemical name	Common name and synonyms	CAS number	%
Isopropyl alcohol		67-63-0	40 - 50
Stoddard solvent		8052-41-3	40 - 50
Methyl Silicone		63148-62-9	10 - 15

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard.

4. First-aid measures

Inhalation Not relevant, due to the form of the product. However, move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.

Skin contact Wash skin thoroughly with soap and water. Get medical attention if irritation develops and persists.

Eye contact Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention promptly if symptoms occur after washing.

Ingestion Not relevant, due to the form of the product. In case of ingestion: Rinse mouth and drink plenty of water. Get medical attention if any discomfort continues.

Most important symptoms/effects, acute and delayed Causes eye irritation. May cause skin irritation.

Indication of immediate medical attention and special treatment needed Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed. Solvent vapors may form explosive mixtures with air.

Special protective equipment and precautions for firefighters Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Avoid prolonged inhalation of vapors. Wear suitable protective clothing. See Section 8 of the MSDS for Personal Protective Equipment.

Methods and materials for containment and cleaning up ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Sweep up or vacuum up spillage and collect in suitable container for disposal.

Environmental precautions Not relevant considering the small amounts used.

7. Handling and storage

Precautions for safe handling Local exhaust is recommended. Avoid prolonged and repeated contact. Wear protective gloves and appropriate clothing to prevent skin contact. Do not smoke and do not spray near a naked flame or other sources of ignition. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Keep away from heat, sparks and open flame. Do not store near heat sources or expose to high temperatures. Store packets in a dry place. Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	PEL	980 mg/m ³
Stoddard solvent (CAS 8052-41-3)	PEL	400 ppm 2900 mg/m ³
		500 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	STEL	400 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Stoddard solvent (CAS 8052-41-3)	TWA	200 ppm
	TWA	100 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	REL	980 mg/m3
	STEL	400 ppm
		1225 mg/m3
Stoddard solvent (CAS 8052-41-3)	Ceiling	500 ppm
	REL	1800 mg/m3
		350 mg/m3

Biological limit values

US. ACGIH. BEIs. Biological Exposure Indices

Components	Value	Determinant	Sampling Time
Isopropyl alcohol (CAS 67-63-0)	40 mg/l	Acetone	*

* - For sampling details, please see the source document.

Appropriate engineering controls Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

Individual protection measures, such as personal protective equipment

Eye/face protection Not necessary under normal conditions.

Skin protection

Hand protection

Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

Not necessary under normal conditions.

Thermal hazards

Not available.

General hygiene considerations

Wash hands after handling and before eating.

9. Physical and chemical properties

Appearance

Liquid saturated on a wipe.

Physical state

Liquid.

Form

Liquid saturated on wipe.

Color

Colorless

Odor

Alcohol.

Odor threshold

No data available.

pH

Not applicable.

Melting point/freezing point

-128.2 °F (-89 °C) (liquid expressed from wipes)

Initial boiling point and boiling range

179.6 °F (82 °C) (liquid expressed from wipes)

Flash point

57.2 °F (14 °C) Tag Closed Cup (liquid expressed from wipes)

Evaporation rate

Moderate.

Flammability (solid, gas)

Will burn if involved in a fire.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) 2 % (liquid expressed from wipes)

Explosive limit - upper (%) 12 % (liquid expressed from wipes)

Vapor pressure

Not determined.

Vapor density

> 2 (Air = 1) (liquid expressed from wipes)

Relative density

Not available.

Solubility(ies)

Moderately soluble in water.

Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	No data available.
Viscosity	No data available.
Other information	No data available.
Bulk density	6.65 lb/gal (liquid expressed from wipes)
Density	0.798 g/cm ³ (liquid expressed from wipes)
Explosive properties	No data available.
Oxidizing properties	No data available.
Percent volatile	87 % formula based (or 694 g/L)
Solubility (other)	No data available.

10. Stability and reactivity

Reactivity	Stable at normal conditions.
Chemical stability	Stable under normal temperature conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Heat, sparks, flames.
Incompatible materials	None under normal conditions.
Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Ingestion may cause irritation and malaise.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
Eye contact	Causes eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics
 Eye contact: May cause redness and pain. Skin contact: Defats the skin.

Information on toxicological effects

Acute toxicity Not relevant, due to the form of the product in its manufactured and shipped state.

Components	Species	Test Results
Isopropyl alcohol (CAS 67-63-0)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	12800 mg/kg
<i>Oral</i>		
LD50	Rat	4.7 g/kg
Skin corrosion/irritation	Not available.	
Serious eye damage/eye irritation	Causes eye irritation.	
Respiratory sensitization	Not available.	
Skin sensitization	Not a skin sensitizer.	
Germ cell mutagenicity	No data available.	
Carcinogenicity		
IARC Monographs. Overall Evaluation of Carcinogenicity		
Stoddard solvent (CAS 8052-41-3)	3 Not classifiable as to carcinogenicity to humans.	
Reproductive toxicity	No data available.	
Specific target organ toxicity - single exposure	Not available.	
Specific target organ toxicity - repeated exposure	Not available.	
Aspiration hazard	Not available.	

Chronic effects Frequent or prolonged contact may defat and dry the skin.

12. Ecological information

Ecotoxicity Not relevant considering the small amounts used.

Components		Species	Test Results
Isopropyl alcohol (CAS 67-63-0)			
Aquatic			
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	> 1400 mg/l, 96 hours
Methyl Silicone (CAS 63148-62-9)			
Aquatic			
Fish	LC50	Channel catfish (<i>Ictalurus punctatus</i>)	2.36 - 4.15 mg/l, 96 hours

Persistence and degradability Not relevant considering the small amounts used.

Bioaccumulative potential Not relevant considering the small amounts used.

Partition coefficient n-octanol / water (log Kow)

Isopropyl alcohol	0.05
Stoddard solvent	3.16 - 7.15

Mobility in soil Not available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

13. Disposal considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.

Wipe contains a flammable liquid.

Local disposal regulations Dispose of in accordance with local regulations.

Hazardous waste code D001: Waste Flammable material with a flash point <140 °F

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Not applicable.

14. Transport information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as a dangerous good.

IMDG

Not regulated as a dangerous good.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

15. Regulatory information

US federal regulations This product is hazardous according to OSHA 29 CFR 1910.1200.

The product does not contain toxic chemicals in amounts subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR Part 372.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not on regulatory list.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No
SARA 311/312 Hazardous chemical Yes

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Not listed.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated.

DEA Exempt Chemical Mixtures Code Number

Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List

Isopropyl alcohol (CAS 67-63-0)
Stoddard solvent (CAS 8052-41-3)

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Isopropyl alcohol (CAS 67-63-0)
Stoddard solvent (CAS 8052-41-3)

US. Rhode Island RTK

Isopropyl alcohol (CAS 67-63-0)
Stoddard solvent (CAS 8052-41-3)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

16. Other information, including date of preparation or last version

Issue date 10-29-2012

Revision date -

Version # 01

Further information Not available.

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