



Chacollet™ In-Line
Hydrocarbon Purifier and
Gas Filters

Material Safety Data Sheet

Section I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer's Name: Entegris, Inc.		Emergency Telephone Number: CHEMTREC USA: 800-424-9300 International: 703-527-3887 (Collect)	
Address:	101 Peavey Road Chaska, Minnesota 55318	MSDS Issue Date:	8/30/07
Telephone Number For Information:	952-556-3131	MSDS Revision:	A
		MSDS Revision Date:	10/12/10
		MSDS Number:	NA
Product:	Chacollet™ In-Line Hydrocarbon Purifier and Gas Filters	Product Number(s): LP2SACSS2, S4503M036Y06	
Substance Identification: Stainless steel housing containing activated carbon.			

Section II – COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS NO.	Percent
Activated Carbon	7440-44-0	100

Section III – HAZARD IDENTIFICATION AND EMERGENCY OVERVIEW

Emergency Overview: Caution! Activated carbon affects the respiratory and cardiovascular systems.
Note that the hazardous media is contained within a stainless steel housing and exposure is unlikely to occur under normal conditions.
Route(s) of Entry:
Inhalation: Due to the design of the product, not expected to occur during normal use. If exposed, no adverse effects expected, however contact with media may mild irritation to respiratory tract.
Skin absorption: Due to the design of the product, not expected to occur during normal use. If exposed, no adverse effects expected, however contact with media may cause mild irritation and redness.
Eye Contact: Due to the design of the product, not likely to occur during normal use. If exposed, no adverse effects expected, however contact with media may cause mild irritation and redness.
Ingestion: Due to the design of the product not likely to occur during normal use. If exposed, no adverse effects expected, however contact with media may cause mild irritation of gastrointestinal tract.
Health Hazards (Acute and Chronic): Due to the design of the product, not expected during normal use. Prolonged inhalation of media may cause pulmonary disorders. Prolonged skin contact may cause chronic dermatitis.
Medical Conditions Generally Aggravated by Exposure: No information found.

Section IV – FIRST AID

Eyes: Not likely to occur due to design of product. If media is exposed to eyes, wash eyes immediately with large amounts of water for a minimum of 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Consult a physician for medical treatment, if necessary.

Skin: Not likely to occur due to design of product. If media is exposed to skin, wash material off skin with soap or mild detergent and water. If redness, itching or burning sensation develops consult a physician for medical treatment.

Ingestion: Not likely to occur due to design of product. If large amount of media is ingested, give several glasses of water. If large amounts are swallowed, consult a physician for medical treatment.

Inhalation: Not likely to occur due to design of product. If media is inhaled, remove to fresh air. Get medical attention for any breathing difficulty.

Section V – FIRE FIGHTING MEASURES

Flash Point (Method Used): NA

Flammable Limits

LEL: NA

UEL: NA

Extinguishing Media: Water spray, dry chemical, alcohol foam or carbon dioxide.

Fire and Explosion Hazards: As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Activated carbon is difficult to ignite and tends to burn slowly (smolder) without producing smoke or flame. Wet activated carbon depletes oxygen from the air. Materials allowed to smolder for long periods of time in enclosed spaces may produce amounts of carbon monoxide which may reach the lower explosive limit for carbon monoxide of 12.5% in air. Contact with strong oxidizers such as ozone or liquid oxygen may cause rapid combustion.

Special Fire Fighting Instructions/Precautions: Fire fighters should wear full protective clothing and NIOSH approved self contained breathing apparatus with full facepiece while extinguishing a fire.

Section VI – ACCIDENTAL RELEASE MEASURES

Steps to Be Taken in Case Material is Released or Spilled: Not likely to occur due to the design of the product. If mixture is released, remove all ignition sources, ventilate area, wear appropriate personal protective equipment, and clean up in a manner that does not disperse dust into the air. Place in proper closed container for disposal.

Section VII – HANDLING AND STORAGE

Handling: End caps should remain on product until the product is ready to be used. Exposure to media is not likely to occur under normal use due to design of product. Should media be released from housing, wear protective gloves and safety glasses when cleaning spilled materials. Wash thoroughly after handling.

Storage: Store in a cool dry place. Protect against physical damage.

Section VIII – PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROL

Ingredient:	OSHA – PEL	ACGIH – TLV
Particulates	15 mg/m ³ (Total Dust) 5 mg/m ³ (Respirable)	10 mg/m ³ (Inhalable Fraction) 3 mg/m ³ (Respirable)
Ventilation: Due to the design of the product, not required under normal use conditions. If necessary, provide local exhaust ventilation at processing equipment to keep particulates below OSHA and ACGIH levels.		
Respiratory Protection: Due to the design of the product, not required under normal use conditions. If necessary, use NIOSH approved respirators for the hazard present. With properly designed ventilation, use of respiratory protection should not be necessary.		
Personal Protection: Not required under normal use conditions. If necessary: Hand: Wear protective glove. Eyes: Wear safety goggles. Skin and body: Protect skin and body with protective equipment. Additional Protective Measures: After handling materials, employees should wash their hands and face before eating, drinking, or using tobacco products.		

Section IX – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	Sublimes	Specific Gravity (H₂O = 1)	1.8 – 2.1
Vapor Pressure (mm Hg.)	1 @ 3586 ^o C	Nominal Melting Temperature (°C)	3550
Vapor Density (AIR = 1)	0.4	Evaporation Rate (Butyl Acetate = 1)	Not available
Autoignition Temperature	Not available	Decomposition Temperature	Not available
Solubility in Water	Insoluble	pH	5.0 – 10.0 s.u.
Appearance and Odor: Odorless black powder.			

Section X – STABILITY AND REACTIVITY

Stability: Stable under normal storage, handling and processing conditions
Incompatibility (Materials to Avoid): Strong oxidizing agents such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in rapid combustion of media. Avoid contact with liquid strong acids.
Hazardous Decomposition or Byproducts: When involved in a fire, carbon dioxide and carbon monoxide are generated.
Hazardous Polymerization/Reactions: Will not occur.
Conditions to Avoid: Moisture and incompatibles.

Section XI – TOXICOLOGICAL INFORMATION

Toxicological data: Investigated as a reproductive effector.
Carcinogenicity: Ingredients are not listed as carcinogens by IARC, NIOSH, NTP or OSHA.

Section XII – ECOLOGICAL INFORMATION

Do not allow media to be released to the environment without proper governmental permits.

Media must not be released to the environment since it can be consumed by animal and aquatic species.

Section XIII – DISPOSAL INFORMATION

Prior to use, the product is not considered a regulated Hazardous Waste under RCRA (40 CFR 261). The user must evaluate the post-use characteristics of the product to determine the used product applicability under hazardous waste regulations. Dispose of used material in accordance with federal, state and local environmental regulations.

Section XIV – TRANSPORTATION INFORMATION

Transportation and Hazardous Materials Description: Not regulated.

Section XV – REGULATORY INFORMATION

OSHA Status: This product is not regulated by 29 CFR 1910.1000 Subpart Z

CERCLA Reportable Quantities:

SARA Title III:

Section 302 Extremely Hazardous Substances: Not listed

Section 311/312: Acute: Yes

Chronic: No

Fire: No

Pressure: No

Reactivity: No

Section 313: Not listed

US EPA CERCLA Hazardous Substances (40 CFR 302): Not listed

TSCA: All ingredients are on the TSCA Chemical Substance Inventory

US EPA RCRA (40 CFR 261): If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

California Proposition 65: Not listed

R-phrases(s): None

S-phrases: S24/25: Avoid contact with skin and eyes. S37/39: Wear suitable gloves and eye/face protection

Section XVI – ADDITIONAL INFORMATION

The chemical, physical and toxicological properties of this material have not been thoroughly investigated. Exercise due care.

Entegris is a registered trademark of Entegris Inc. or an affiliated company.

© 2007 Entegris Inc. or affiliated company. All rights reserved. The above information is believed to be current and accurate; however Entegris makes no warranty with respect to such information and assumes no liability for any loss or injury which may result from the use of this information. Users should conduct their own investigation to determine the suitability of the information.

