




SAFETY DATA SHEET

Section 1. Identification

Manufacturer CHS Inc. P.O. Box 64089 Mail station 525 St. Paul, MN 55164-0089	Canadian supplier identifier	Transportation Emergency (CHEMTREC) Technical Information SDS Information	: : :	1-800-424-9300 1-651-355-8443 1-651-355-8445
Product name	: SNOW MAX PV	SDS no.	:	0111-C4X0
Common name	: Full synthetic 2-cycle oil	Revision date	:	03/01/2023
Chemical name	: Lubricating oil.	Chemical formula	:	Mixture
Chemical family	: Hydrocarbon.			
Relevant identified uses of the substance or mixture and uses advised against				

Lubricant.

Section 2. Hazards identification

OSHA/HCS status	:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		
Classification of the substance or mixture	:	FLAMMABLE LIQUIDS - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A ASPIRATION HAZARD - Category 1		
GHS label elements				
Hazard pictograms	:			
Signal word	:	Danger		
Hazard statements	:	H227 - Combustible liquid. H319 - Causes serious eye irritation. H315 - Causes skin irritation. H304 - May be fatal if swallowed and enters airways.		
Precautionary statements				
General	:	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.		
Prevention	:	Wear protective gloves. Wear eye or face protection. Keep away from flames and hot surfaces. - No smoking. Wash hands thoroughly after handling.		
Response	:	IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. 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 attention.		
Storage	:	Store locked up. Store in a well-ventilated place. Keep cool.		
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.		
Hazards not otherwise classified	:	None known.		
Hazardous Material Information System (U.S.A.)	Health :	2	/ Flammability :	2 Physical hazards : 0
National Fire Protection Association (U.S.A.)	Health :	2	Flammability :	2 Instability : 0

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
 Chemical name : Lubricating oil.
 Other means of identification : Full synthetic 2-cycle oil

Ingredient name	%	CAS number
Kerosine (Petroleum)	30 - 60	8008-20-6
Base Oil(s)(*)	10 - 30	-
Phenol, (tetrapropenyl) deriva-tives	0.001 - 0.1	74499-35-7

*Base Oil(s): 64742-54-7.

United States: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Canada: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : If material comes in contact with the eyes, immediately wash the eyes with large amounts of water for 15 minutes, occasionally lifting the lower and upper lids. Get medical attention.

Inhalation : If person breathes in large amounts of material, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the person warm and at rest. Get medical attention as soon as possible.

Skin contact : If the material comes in contact with the skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash the skin with soap and water promptly. If irritation persists after washing, get medical attention immediately.

Ingestion : If material has been swallowed, do not induce vomiting. Get medical attention immediately.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation.

Ingestion : May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation : Adverse symptoms may include the following: respiratory tract irritation, coughing.

Skin contact : Adverse symptoms may include the following: irritation, redness.

Ingestion : No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use water spray to cool fire exposed surfaces and to protect personnel. Foam, dry chemical or water spray (fog) to extinguish fire.

Unsuitable extinguishing media : Do not use water jet or water-based fire extinguishers.

Specific hazards arising from the chemical : Toxic fumes gases or vapors may evolve on burning.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide

Special protective actions for fire-fighters : When fighting fires wear full turnout gear and self contained breathing apparatus. Water may cause splattering. Material floats on water.

Special protective equipment for fire-fighters : Not applicable.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Keep unnecessary and unprotected personnel from entering. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up

Spill : Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Conditions for safe storage, including any incompatibilities : Do not store above the following temperature: 113°C (235.4°F). Handling temperatures should not exceed ambient temperatures. Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Kerosine (Petroleum)	NIOSH REL (United States, 10/2016). TWA: 100 mg/m ³ 10 hours.
Base Oil(s)(*)	ACGIH TLV (United States, 3/2017). Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours. NIOSH REL (United States, 10/2016). TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist ACGIH TLV (United States). TWA: 5 mg/m ³ Form: Oil mist. STEL: 10 mg/m ³ Form: Oil mist. OSHA PEL (United States). TWA: 5 mg/m ³ Form: Oil mist.

Canada

Occupational exposure limits

Ingredient name	Exposure limits
Kerosine (Petroleum)	CA British Columbia Provincial (Canada, 6/2017). Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours. CA Ontario Provincial (Canada, 1/2018). Absorbed through skin. TWA: 200 mg/m ³ 8 hours. CA Alberta Provincial (Canada, 4/2009). Absorbed through skin. 8 hrs OEL: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin. STEL: 250 mg/m ³ , (measured as total hydrocarbon vapor) 15 minutes. TWA: 200 mg/m ³ , (measured as total hydrocarbon vapor) 8 hours.
Base Oil(s)(*)	CA Alberta Provincial (Canada, 4/2009). 8 hrs OEL: 5 mg/m ³ 8 hours. Form: Mist 15 min OEL: 10 mg/m ³ 15 minutes. Form: Mist CA Quebec Provincial (Canada, 1/2014). TWAEV: 5 mg/m ³ 8 hours. Form: mist STEV: 10 mg/m ³ 15 minutes. Form: mist

Appropriate engineering controls : Use only with adequate ventilation.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Recommended: Splash goggles and a face shield, where splash hazard exists.

Skin protection

Hand protection : 4 - 8 hours (breakthrough time): Nitrile gloves.

Body protection : Recommended: Long sleeved coveralls.

Other skin protection : Recommended: Impervious boots.

Respiratory protection : If ventilation is inadequate, use a NIOSH-certified respirator with an organic vapor cartridge and P95 particulate filter.

Section 9. Physical and chemical properties

<u>Appearance</u>		Relative density	: 0.86 to 0.89
Physical state	: Liquid.	Evaporation rate	: <1 (Butyl acetate = 1)
Color	: Green.	Solubility	: Insoluble in the following materials: cold water and hot water.
Odor	: Mild.	Solubility in water	: Insoluble
Odor threshold	: Not available.	Partition coefficient: n-octanol/water	: Not available.
pH	: Not available.	Auto-ignition temperature	: >204.44°C (>400°F)
Melting point	: Not available.	Decomposition temperature	: Not available.
Boiling point	: Not available.	SADT	: Not available.
Flash point	: Closed cup: >71°C (>159.8°F)	Viscosity	: Not available.
Flammability	: Not available.	Vapor pressure	: <0.13 kPa (<1 mm Hg) (68°F)
Lower and upper explosive (flammable) limits	: Not available.	Vapor density	: Not available.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials and acids.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Kerosine (Petroleum)	LD50 Oral	Rat	15 g/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Kerosine (Petroleum)	Skin - Moderate irritant	Rabbit	-	0.5 ml	-
	Skin - Moderate irritant	Rabbit	-	24 hours 100%	-
	Skin - Severe irritant	Rabbit	-	500 mg	-

Sensitization

Skin : Not hazardous (per manufacturer).

Respiratory : Not hazardous (per manufacturer).

Mutagenicity

There is no data available.

Carcinogenicity**Classification**

Product/ingredient name	OSHA	IARC	NTP
Kerosine (Petroleum)	-	3	-

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

Name	Result
Lubricating oil. Kerosine (Petroleum)	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

Section 12. Ecological information

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : There is no data available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Section 14. Transport information

DOT IDENTIFICATION NUMBER NA1993	DOT proper shipping name COMBUSTIBLE LIQUID, N.O.S. (Kerosine (Petroleum))
DOT Hazard Class(es) Combustible liquid.	PG III DOT-TDG EMER. RESPONSE GUIDE NO. 128
TDG IDENTIFICATION NUMBER Not regulated.	TDG proper shipping name Not applicable.
TDG Hazard Class(es) Not applicable.	PG Not applicable.

Section 15. Regulatory information

U.S. Federal regulations :

- TSCA 4(a) final test rules:** 2-Butenedioic acid (E)-, di-C8-18-alkyl esters
- TSCA 8(a) PAIR:** 2-Butenedioic acid (E)-, di-C8-18-alkyl esters; Phenol, (tetrapropenyl) derivatives; Naphthalene
- TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
- United States inventory (TSCA 8b):** All components are listed or exempted.
- Clean Water Act (CWA) 307:** Naphthalene
- Clean Water Act (CWA) 311:** Naphthalene; Vinyl acetate

Clean Air Act Section 602 Class I Substances : Not listed **DEA List I Chemicals (Precursor Chemicals)** : Not listed
Clean Air Act Section 602 Class II Substances : Not listed **DEA List II Chemicals (Essential Chemicals)** : Not listed
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : Listed

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Vinyl acetate	≤0.00001	Yes.	1000	129	5000	644.8

SARA 304 RQ : 5555555555.6 lbs / 2522222222.2 kg [7614864229.1 gal / 28825396825.4 L]

SARA 311/312

Hazard classifications :

- FLAMMABLE LIQUIDS - Category 4
- SKIN CORROSION/IRRITATION - Category 2
- SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
- ASPIRATION HAZARD - Category 1

Composition/information on ingredients

Name	Classification
Kerosine (Petroleum)	FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A ASPIRATION HAZARD - Category 1

SARA 313 : This product (does/not) contain toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Product name	CAS number	%
Not applicable.		

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations


Massachusetts : The following components are listed: Kerosine (Petroleum); Distillates (petroleum), hydrotreated heavy paraffinic

New York : None of the components are listed.

New Jersey : The following components are listed: Kerosine (Petroleum)

Pennsylvania : The following components are listed: Kerosine (Petroleum)

California Prop. 65

 **WARNING:** This product can expose you to chemicals including Naphthalene, Paraffin oils, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Naphthalene	Yes.	-
Paraffin oils	-	-

Canadian lists : All ingredients are listed on the Canadian Domestic Substances List (DSL), have been registered on the Non-Domestic Substances List (NDSL), or are exempt.

Canada inventory (DSL NDSL) : Not determined.

Canadian NPRI : None of the components are listed.

CEPA Toxic substances : None of the components are listed.

Section 16. Other information

Revision date : 03/01/2023

Supersedes : 04/11/2019

Revised Section(s) :

Prepared by : KMK Regulatory Services Inc.

Notice to reader

THE INFORMATION CONTAINED IN THIS SDS RELATES ONLY TO THE SPECIFIC MATERIAL IDENTIFIED. IT DOES NOT COVER USE OF THAT MATERIAL IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PARTICULAR PROCESS. IN COMPLIANCE WITH 29 C.F.R. 1910.1200(g), CHS HAS PREPARED THIS SDS IN SEGMENTS, WITH THE INTENT THAT THOSE SEGMENTS BE READ TOGETHER AS A WHOLE WITHOUT TEXTUAL OMISSIONS OR ALTERATIONS. CHS BELIEVES THE INFORMATION CONTAINED HEREIN TO BE ACCURATE, BUT MAKES NO REPRESENTATION, GUARANTEE, OR WARRANTY, EXPRESS OR IMPLIED, ABOUT THE ACCURACY, RELIABILITY, OR COMPLETENESS OF THE INFORMATION OR ABOUT THE FITNESS OF CONTENTS HEREIN FOR EITHER GENERAL OR PARTICULAR PURPOSES. PERSONS REVIEWING THIS SDS SHOULD MAKE THEIR OWN DETERMINATION AS TO THE MATERIAL'S SUITABILITY AND COMPLETENESS FOR USE IN THEIR PARTICULAR APPLICATIONS.



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