Material Safety Data Sheet: WIPE OUT EF, MM

Supercedes Date 08/20/2014 **Issuing Date** 08/27/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name WIPE OUT EF, MM
Recommended use Cleaning agent
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 0647
Chemical nature Solvent mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
WARNING
Flammable liquid and vapor
May be harmful if inhaled
Causes skin irritation
Causes severe eye irritation
Harmful or fatal if swallowed

Color Straw **Physical State** Liquid **Odor** Vinegar-like

Potential Health Effects

Principle Route of Exposure Skin contact, Eye contact, Inhalation.

Primary Routes of Entry Inhalation, Skin Absorption, Ingestion.

Acute Effects

Eyes Severe irritation.

Skin Causes skin irritation. May be absorbed through the skin in harmful amounts.

Inhalation Causes respiratory tract irritation. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Chronic Toxicity None known.

Target Organ Effects Respiratory system, Skin, Central nervous system.

Aggravated Medical Conditions Respiratory disorders, Skin disorders, Neurological disorders.

Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Alcohols, C9-11, ethoxylated	68439-46-3
Methyl esters from soy oil	67784-80-9
Ethyl lactate	97-64-3
Methyl acetate	79-20-9
Sodium xylene sulfonate	1300-72-7

***

4. FIRST AID MEASURES

General advice Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.

Skin Contact Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Notes to physician Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

5. FIRE-FIGHTING MEASURES

Flash Point 85 °F / 29 °C **Method** Seta closed cup

Autoignition Temperature No information available.

Flammability Limits in Air % Solvent mixture. **Upper** 16 **Lower** 3.1

Suitable Extinguishing Media
Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
Flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions.
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.

NFPA	**Health** 3	**Flammability** 3	**Instability** 0
HMIS	**Health** 3	**Flammability** 3	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13)
Methods for Cleaning Up Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Keep away from heat and sources of ignition. Avoid breathing vapors or mists. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing.
Storage Keep away from open flames, hot surfaces and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

Storage Temperature	**Minimum**	35 °F / 2 °C		**Maximum**	120 °F / 49 °C		
Storage Conditions	**Indoor**	X	**Outdoor**	**Heated**		**Refrigerated**	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Methyl acetate	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm TWA: 610 mg/m^3	3100 ppm STEL 250 ppm STEL 760 mg/m^3 TWA: 200 ppm TWA: 610 mg/m^3

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Personal Protective Equipment
Eye/Face Protection Tightly fitting safety goggles.
Skin Protection Wear suitable protective clothing, Impervious gloves.
Respiratory Protection In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Non viscous
Color	Straw	**Odor**	Vinegar-like
Appearance	Transparent	**pH**	Not applicable
Specific Gravity	0.975	**Evaporation Rate**	2.0 (Butyl acetate=1)
Percent Volatile (Volume)	71.6	**VOC Content (%)**	35
VOC Photoreactive (Y/N)	Yes	**VOC Content (g/L)**	341
Vapor Pressure	34.3 mmHg @ 70°F	**Vapor Density**	1.9 (Air = 1.0)
Solubility	Emulsifiable	**Boiling Point/Range**	No data available

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.

Conditions to Avoid Keep away from open flames, hot surfaces, and sources of ignition
Incompatible Products Strong oxidizing agents, Strong acids, Strong bases, Amines, Alcohols, Light and/or alkaline metals.
Hazardous Decomposition Products Carbon oxides, Sulfur oxides, Aldehydes, Hydrocarbons.
Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Alcohols, C9-11, ethoxylated	= 1400 mg/kg (Rat)	no data available	no data available	no data available	no data available
Methyl acetate	> 5000 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h	no data available	no data available
Sodium xylene sulfonate	= 1000 mg/kg (Rat)	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Methyl acetate	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Methyl acetate	EC50 > 120 mg/L Desmodesmus subspicatus 72 h	LC50 250 - 350 mg/L Brachydanio rerio 96 h LC50 295 - 348 mg/L Pimephales promelas 96 h	EC50 = 6000 mg/L 16 h EC50 = 6100 mg/L 30 min	EC50 1026.7 mg/L Daphnia magna 48 h	0.18

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Flammable Liquids, N.O.S.
Hazard Class 3
UN-No UN1993
Packing Group III
Description UN1993, Flammable Liquids, N.O.S.,(Methyl acetate),3, PG III

TDG

Proper shipping name Flammable Liquids, N.O.S.
Hazard Class 3
UN-No UN1993
Packing Group III
Description UN1993, Flammable Liquids, N.O.S., (Methyl acetate), 3, PG III

ICAO

UN-No UN1993
Proper Shipping Name Flammable Liquids, N.O.S.,(Methyl acetate)
Hazard Class 9
Packing Group III
Shipping Description UN1993, Flammable Liquids, N.O.S.,(Methyl acetate),3, PG III

IATA

UN-No	UN1993
Proper Shipping Name	Flammable Liquids, N.O.S.,(Methyl acetate)
Hazard Class	3
Packing Group	III
ERG Code	3L
Shipping Description	UN1993, Flammable Liquids, N.O.S.,(Methyl acetate),3, PG III

IMDG/IMO

Proper Shipping Name	Flammable Liquids, N.O.S.,(Methyl acetate)
Hazard Class	3
UN-No	UN1993
Packing Group	III
EmS No.	F-A, S-F
Shipping Description	UN1993, Flammable Liquids, N.O.S.,(Methyl acetate),3, PG III (29°C C.C.)

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	No	No

CERCLA

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B2 Flammable liquid D2B Toxic materials

16. OTHER INFORMATION

Prepared By	Adrienne McKee
Supercedes Date	08/20/2014
Issuing Date	08/27/2014
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

CHEMSEARCH DIV. OF NCH CORP.assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.