

Material Safety Data Sheet: REBOUND AEROSOL

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name REBOUND AEROSOL
Recommended use Solvent-borne coatings
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 5536
Chemical nature Hydrocarbons
Emergency Telephone Number
CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

DANGER
Extremely flammable
Harmful if inhaled
Causes skin irritation
Causes eye irritation
May cause allergic skin reaction
May be harmful if swallowed
Contents under pressure

Color black

Physical State Liquid

Odor solvent

Potential Health Effects

Principle Route of Exposure

Skin contact, Eye contact, Inhalation.

Primary Routes of Entry

Inhalation, Skin Absorption.

Acute Effects

Eyes

Causes eye irritation.

Skin

Causes skin irritation. May be absorbed through the skin in harmful amounts. May cause allergic skin reaction.

Inhalation

May cause irritation of respiratory tract. 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. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

Chronic Toxicity

Liver and kidney injuries may occur. May cause sensitization by skin contact. Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Contains a known or suspected carcinogen. Contains a known or suspected reproductive toxin. Prolonged or repeated inhalation may cause damage to the lungs.

Target Organ Effects

Central nervous system, Kidney, Liver, Eyes, Skin, Lungs.

Aggravated Medical Conditions

Kidney disorders, Liver disorders, Skin disorders, Neurological disorders, Respiratory disorders.

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Toluene	108-88-3
Acetone	67-64-1
Asphalt, oxidized	64742-93-4
Talc, respirable dust	14807-96-6
Stoddard solvent	8052-41-3
Benzene	71-43-2
Ethyl benzene	100-41-4

4. FIRST AID MEASURES

General advice

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

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Inhalation

Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

Notes to physician

May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point	35 °F / 2 °C	Method	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air % Mixture.		Upper	12.8
		Lower	0.9
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical.		
Specific hazards arising from the chemical	Extremely flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: >30 inches / >76 cm and Burnback: 2 inches / 5 cm. 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.		
Aerosol Level (NFPA 30B) -	3		
NFPA	Health 2	Flammability 4	Instability 0
HMIS	Health 2	Flammability 4	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Remove all sources of ignition. 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 open flames, hot surfaces and sources of ignition. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing.			
Storage	Keep away from heat and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
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
Toluene	TWA: 20 ppm	TWA: 200 ppm Ceiling: 300 ppm	IDLH: 500 ppm STEL 150 ppm STEL 560 mg/m ³ TWA: 100 ppm TWA: 375 mg/m ³
Acetone	TWA: 500 ppm STEL: 750 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³
Asphalt, oxidized	No data available	No data available	No data available
Talc, respirable dust	TWA: 2 mg/m ³	No data available	IDLH: 1000 mg/m ³ TWA: 2 mg/m ³
Stoddard solvent	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ TWA: 350 mg/m ³
Benzene	TWA: 0.5 ppm Skin STEL: 2.5 ppm	TWA: 10 ppm TWA: 1 ppm Ceiling: 25 ppm STEL: 5 ppm	IDLH: 500 ppm STEL 1 ppm TWA: 0.1 ppm
Ethyl benzene	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m ³	IDLH: 800 ppm STEL 125 ppm STEL 545 mg/m ³ TWA: 100 ppm TWA: 435 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

Safety glasses with side-shields.

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

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	Semi-viscous
Color	black	Odor	solvent
Appearance	Opaque	pH	Not applicable
Specific Gravity	0.95	Evaporation Rate	>1 (Butyl acetate=1)
Percent Volatile (Volume)	>40	VOC Content (%)	40
VOC Content (g/L)	380	Vapor Pressure	68 mmHg @ 70°F
Vapor Density	>1 (Air = 1.0)	Solubility	Negligible
Boiling Point/Range	> 100 °F / 38 °C		

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

Acids, Alkalis , Reducing agents, Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides, 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
Toluene	= 636 mg/kg (Rat)	= 8390 mg/kg (Rabbit) = 12124 mg/kg (Rat)	= 12.5 mg/L (Rat) 4 h > 26700 ppm (Rat) 1 h	no data available	no data available
Acetone	= 5800 mg/kg (Rat)	no data available	no data available	no data available	no data available
Asphalt, oxidized	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	no data available	no data available	no data available
Talc, respirable dust	no data available	no data available	no data available	no data available	no data available
Stoddard solvent	no data available	no data available	no data available	no data available	no data available
Benzene	= 1800 mg/kg (Rat)	no data available	13050 - 14380 ppm (Rat) 4 h	no data available	no data available
Ethyl benzene	= 3500 mg/kg (Rat)	= 15354 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Toluene	no data available	no data available	yes	yes	CNS, eyes, kidneys, liver, respiratory system, skin, reproductive system
Acetone	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin
Asphalt, oxidized	no data available	no data available	no data available	no data available	no data available
Talc, respirable dust	no data available	no data available	no data available	no data available	CVS, eyes, respiratory system
Stoddard solvent	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin, kidneys
Benzene	no data available	no data available	no data available	no data available	eyes, skin, respiratory system, blood, CNS, bone marrow (leukemia)
Ethyl benzene	no data available	no data available	yes	no data available	eyes, CNS, respiratory system, skin

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Toluene	not applicable	not applicable	not applicable	not applicable	not applicable
Acetone	not applicable	not applicable	not applicable	not applicable	not applicable
Asphalt, oxidized	not applicable	Group 2A	not applicable	X	not applicable
Talc, respirable dust	not applicable	not applicable	not applicable	not applicable	not applicable
Stoddard solvent	not applicable	not applicable	not applicable	not applicable	not applicable
Benzene	A1	Group 1	Known	X	not applicable
Ethyl benzene	A3	Group 2B	not applicable	X	X

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Toluene	EC50 > 433 mg/L Pseudokirchneriella subcapitata 96 h EC50 = 12.5 mg/L Pseudokirchneriella subcapitata 72 h	LC50 15.22 - 19.05 mg/L Pimephales promelas 96 h LC50 = 12.6 mg/L Pimephales promelas 96 h LC50 5.89 - 7.81 mg/L Oncorhynchus mykiss 96 h LC50 14.1 - 17.16 mg/L Oncorhynchus mykiss 96 h LC50 = 5.8 mg/L Oncorhynchus mykiss 96 h LC50 11.0 - 15.0 mg/L Lepomis macrochirus 96 h LC50 = 54 mg/L Oryzias latipes 96 h LC50 = 28.2 mg/L Poecilia reticulata 96 h LC50 50.87 - 70.34 mg/L Poecilia reticulata 96 h	EC50 = 19.7 mg/L 30 min	EC50 5.46 - 9.83 mg/L 48 h EC50 = 11.5 mg/L 48 h	2.65
Acetone	no data available	LC50 4.74 - 6.33 mg/L Oncorhynchus mykiss 96 h LC50 6210 - 8120 mg/L Pimephales promelas 96 h LC50 = 8300 mg/L Lepomis macrochirus 96 h	EC50 = 14500 mg/L 15 min	EC50 10294 - 17704 mg/L 48 h EC50 12600 - 12700 mg/L 48 h	-0.24
Asphalt, oxidized	EC50 = 56 mg/L Pseudokirchneriella subcapitata 72 h	no data available	no data available	no data available	N/A
Talc, respirable dust	no data available	LC50 > 100 g/L Brachydanio rerio 96 h	no data available	no data available	N/A
Stoddard solvent	no data available	no data available	no data available	no data available	N/A
Benzene	EC50 = 29 mg/L Pseudokirchneriella subcapitata 72 h	LC50 10.7 - 14.7 mg/L Pimephales promelas 96 h LC50 = 5.3 mg/L Oncorhynchus mykiss 96 h LC50 = 22.49 mg/L Lepomis macrochirus 96 h LC50 = 28.6 mg/L Poecilia reticulata 96 h LC50 22330 - 41160 µg/L Pimephales promelas 96 h LC50 70000 - 142000 µg/L Lepomis macrochirus 96 h	no data available	EC50 8.76 - 15.6 mg/L 48 h EC50 = 10 mg/L 48 h	1.83
Ethyl benzene	EC50 = 4.6 mg/L Pseudokirchneriella subcapitata 72 h EC50 > 438 mg/L Pseudokirchneriella subcapitata 96 h EC50 2.6 - 11.3 mg/L Pseudokirchneriella subcapitata 72 h EC50 1.7 - 7.6 mg/L Pseudokirchneriella subcapitata 96 h	LC50 11.0 - 18.0 mg/L Oncorhynchus mykiss 96 h LC50 = 4.2 mg/L Oncorhynchus mykiss 96 h LC50 7.55 - 11 mg/L Pimephales promelas 96 h LC50 = 32 mg/L Lepomis macrochirus 96 h LC50 9.1 - 15.6 mg/L Pimephales promelas 96 h LC50 = 9.6 mg/L Poecilia reticulata 96 h	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	EC50 1.8 - 2.4 mg/L 48 h	3.118

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

Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name CONSUMER COMMODITY
Hazard Class ORM-D
Description CONSUMER COMMODITY ORM-D

TDG

Proper shipping name AEROSOLS, FLAMMABLE
Hazard Class 2.1
UN-No UN1950
Description UN1950, AEROSOLS, FLAMMABLE, 2.1 LTD QTY

ICAO

Shipping Description DO NOT SHIP AIR

IATA

Shipping Description DO NOT SHIP AIR

IMDG/IMO

Proper Shipping Name AEROSOLS
Hazard Class 2.1
UN-No UN1950
Shipping Description UN1950, AEROSOLS, 2.1, LTD QTY

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Toluene	108-88-3	15-40	1.0
Benzene	71-43-2	0	0.1
Ethyl benzene	100-41-4	0	0.1

SARA 311/312 Hazardous Categorization

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Toluene	1000 lb	Not applicable
Acetone	5000 lb	Not applicable
Asphalt, oxidized	Not applicable	Not applicable
Talc, respirable dust	Not applicable	Not applicable
Stoddard solvent	Not applicable	Not applicable
Benzene	10 lb	Not applicable
Ethyl benzene	1000 lb	Not applicable

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

A Compressed gases, B5 Flammable aerosol, D2A Very toxic materials, D2B Toxic materials.



16. OTHER INFORMATION

Prepared By Angela Hutson
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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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