

MSDS Material Safety Data Sheet

The Blaster Corporation



ATC - Air Tool Conditioner

MSDS Number: ATC - Bulk

Revision Date: 9/22/09

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1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: ATC - Air Tool Conditioner
Revision Date: 9/22/09
MSDS Number: ATC - Bulk
Product Code: 16-ATC-S, 32-ATC, 128-ATC, 5-ATC, 55-ATC

Manufacturer: The Blaster Corporation
8500 Sweet Valley Drive
Valley View, Ohio 44125

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24 Hour emergency contact: Chemtrec (800) 424-9300

2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Percent	Exposure Limits
Zinc Alkyl Dithiophosphate	68649-42-3	1-10%	OSHA (TWA)- N/E ACGIH (TLV)- N/E
Propylene Glycol t-Butyl Ether	9003-13-8	0-10%	OSHA (TWA)- N/E ACGIH (TLV)- N/E
Isopropanol	67-63-0	10-20%	OSHA (TWA)- 400 ppm ACGIH (TWA)- 400 ppm
Petroleum Distillate (Mineral oil)		40-55	OSHA (TWA)- 5 mg/m3 oil mist ACGIH (TWA)- 5 mg/m3 oil mist
VM&P Naphtha	8032-32-4	20-30%	OSHA (TWA)- 300 ppm ACGIH (TWA)- 300 ppm



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3 HAZARDS IDENTIFICATION

Route of Entry:	Eyes, skin, inhalation, ingestion
Target Organs:	
Inhalation:	Tests on similiar material indicate the possibility of the following symptoms: headache, nasal and respiratory irritation, nausea, drowsiness, breathlessness, fatigue, central nervous system depression, convulsions, and loss of consciousness.
Skin Contact:	Tests on similiar materials indicate acute irritation is expected to occur upon short-term exposure, chronic dermatitis on prolonged contact.
Eye Contact:	Tests on similiar materials suggest acute irritation can be expected.
Ingestion:	ACUTE ASPIRATION HAZARD. Tests on similar materials indicate possibility of the following symptoms: headache, nausea, drowsiness, fatigue, pneumonitis, pulmonary adema, central nervous system depression, convulsions, and loss of consciousness.

CHRONIC: Prolonged and/or repeated contact with this material may produce skin irritation and inflammation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Personnel with pre-existing skin disorders should avoid contact with this product.

4 FIRST AID MEASURES

Inhalation:	Remove patient to fresh air and consult a physician. If breathing is difficult, give oxygen. If not breathing give artificial respiration.
Skin Contact:	Wash thoroughly with soap and water. Immediately remove contaminated clothing and wash before reuse. If irritation or rash develops, obtain medical assistance. Immediately remove soaked clothing.
Eye Contact:	Flush eyes immediately with water for at least 15 minutes or until irritation subsides, occasionally lifting lower and upper lids. Get medical attention promptly.
Ingestion:	CALL PHYSICIAN IMMEDIATELY. Do not induce vomiting except at the instruction of a physician.

5 FIRE FIGHTING MEASURES

Flash point: 58°F (TCC)

Extinguishing Media: Dry chemical, carbon dioxide, halon or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen. Take precautions when using these materials.

General Fire and Explosion Hazards: This material may be ignited by heat, sparks (static electricity), flame or other ignition sources. Vapors are heavier than air and will collect in low areas (sewers) and can travel considerable distances. If containers are not cooled in a fire, they may explode.

Fire Fighting Procedures: Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out. Try to contain spills or leaks if it can be done safely. Material will float on water. Avoid spreading.



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6 ACCIDENTAL RELEASE MEASURES

In case of spill or release, avoid vapors and ignition sources. Use appropriate protective devices and absorbents. Stop and contain the discharge if it can be done safely. Keep out of drains and waterways. Handle with trained personnel only. Notify authorities as required by law.

7 HANDLING AND STORAGE

Handling Precautions:

Handling: FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing.

This product may generate a static charge. Ground/bond equipment when transferring material to prevent static accumulation. Electrical equipment and circuits in all storage and handling must conform to requirements of National Electric Code (Article 500 and 501) for hazardous location.

Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers.

Storage Requirements:

Store in a cool, dry area, away from heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Eye wash stations and emergency showers should be immediately available.

Protective Equipment:

Eyes and Face: Standard safety glasses with splash shields typically offer adequate protection. Where excessive splashing or spraying is possible, a face shield should be used. Do not wear contacts.

Skin and clothing: Excessive contact should be avoided. Nitrile gloves, boots and aprons will provide adequate protection when contact cannot be avoided. Remove and wash any contaminated clothing immediately. Wash thoroughly after handling.

Respiratory: Good general ventilation should be sufficient to control airborne levels. Maintain airborne concentrations below OSHA established exposure limits of ingredients in Section 2. Use NIOSH approved respirator if ventilation is not adequate enough to maintain levels below these limits.

Exposure Guidelines/Other:

The Blaster Chemical Companies takes not responsibility for determining what measures are required for personal protection in any specific application. This information should be used with discretion.



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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	red, transparent, thin	Boiling Point:	180 F
Physical State:	liquid	Freezing/Melting Pt.:	Not Determined
Odor:	typical solvent-like	Solubility:	nil
pH:	Not Determined	Spec Grav./Density:	0.83 - 0.85
Vapor Pressure:	Not Determined		
Vapor Density:	>1 (air = 1)		
Heat Value:	Not Determined		
VOC:	Not Determined		
Evap. Rate:	>1 (NBA=1)		
Bulk Density:	Not Determined		
Octanol:	Not Determined		
Molecular Weight:	Not Determined		
Particle Size:	Not Applicable		
Softening Point:	Not Applicable		
Viscosity:	Not Determined		
Percent Volatile:	Not Determined		
Sat. Vap. Concentrat.:	Not Determined		
Molecular Formula:	Not Determined		

10 STABILITY AND REACTIVITY

Stability:	This product is stable.
Conditions to avoid:	Avoid excessive heat, sources of ignition and excessive water.
Materials to avoid (incompatibility):	Avoid contact with strong oxidizing agents and strong reducing agents (strong acids or bases.) Avoid mixture with water.
Hazardous Decomposition products:	Combustion will product carbon monoxide, carbon dioxide and nitrogen-oxygen compounds
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

• Propylene Glycol t-Butyl Ether 9003-13-8

Acute Toxicity - Lethal Doses

LC50 (Inhl) Rat > 550 PPM 4 HOURS
LD50 (Oral) Rat 3771 MG/KG BWT
LD50 (Skin) Rabbit > 2000 MG/KG BWT

Acute Toxicity - Effects

Inhalation May produce symptoms of central nervous system depression including headache, dizziness, nausea, loss of sense of balance, drowsiness, visual disturbances, unconsciousness and sense of balance, drowsiness, visual disturbances, unconsciousness and death.
Ingestion High doses may cause CNS depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe over-exposure).
Skin Contact Not expected to be a skin absorption hazard.

Irritation

Skin Contact may cause mild skin irritation.



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Eye Irritation can range from slight to severe. Neat liquid may produce severe eye irritation. A 20% solution of in water was, at most, slightly irritating to the eye. Severe irritation may result in corneal opacity, redness, inflammation of the iris and swelling of the conjunctiva.

Sensitization: Not expected to be a sensitizer.

Target Organ Effects: Eye. Skin. Central nervous system effects.

Repeated Dose Toxicity

Low inherent toxicity following repeated inhalation exposure. Effects observed in male rats that inhaled high concentrations of PTB included a species- and sex-specific kidney toxicity mediated by a-2u-globulin nephropathy, a mechanism that is not relevant to humans. Liver changes indicative of an adaptive response to metabolizing PTB were observed in rats and mice.

Reproductive Effects

No adverse effect on reproductive performance was seen in male and female rats exposed by oral gavage in a one-generation reproductive toxicity study. Very slight effects on pup body weights and survival were noted in pups from dams exposed to 1000 mg/kg bwt/day of PTB.

Developmental Effects

Results from studies in pregnant rats and rabbits demonstrate PTB is not teratogenic or fetotoxic.

Genetic Toxicity

Based on the weight of evidence, PTB is not considered to be genotoxic in vitro. A weakly mutagenic response was noted in female mice from a mouse peripheral blood micronucleus assay while male mice were negative in the same study.

Carcinogenicity

Long term inhalation exposure to PTB vapor was associated with an increased incidence of liver tumors in male and female mice and a marginally increased incidence of liver and kidney tumors in male rats. Studies suggest that the rat kidney toxicity and subsequent tumors are due to a species and sex-specific mechanism and not relevant to humans. The weight of evidence from genotoxicity testing suggests that a non-genotoxic mechanism was most likely involved in the development of the rodent liver tumors. PTB is not classified for carcinogenicity by OSHA, NTP or the EPA. The International Agency for Research on Cancer (IARC) found inadequate human evidence and limited animal evidence of carcinogenicity for PTB and therefore was placed in IARC's Group 3 as not classifiable as to its carcinogenicity to humans.

Isopropanol

Additional Remarks Exposure can cause nausea, headache and vomiting. May be harmful by inhalation, ingestion, skin adsorption.

Eyes Irritating to eyes.

Skin Acute dermal LD50 (rabbit): 12,800 mg/kg

Inhalation Acute 4 hours LC50 (rat): 16,970 mg/l

Ingestion Acute oral LD50(rat): 5,045 mg/kg

CARCINOGENICITY

This product contains no carcinogenic substances.

VM&P Naphtha

Skin effects

May cause irritation or dermatitis with prolonged and repeated contact.

Oral effects

Tests on similar materials indicate an order of acute oral toxicity.

Inhalation effects

Acute toxicity expected on inhalation.

Medical conditions aggravated by overexposure

Dermatitis and sensitive skin - this product is not listed as carcinogenic or a potential carcinogen by the national toxicology program, by the I.A.R.C. monographs or by OSHA. Nevertheless, good industrial hygienic practices are recommended.

Petroleum Distillate (Mineral Oil)



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INHALATION: Will not produce vapors unless heated to temperatures of ~300 F.°

EYE CONTACT: Irritating, but will not permanently injure eye tissue.

SKIN CONTACT: Prolonged or repeated contact may cause skin irritation.

INGESTION: Small amounts (tablespoonful) swallowed are not likely to cause injury. Larger amounts may cause nausea and vomiting. Consult a physician promptly.

CHRONIC (CANCER) INFORMATION: IARC Monographs state that when laboratory animals are exposed to severely hydrotreated oils, such as these product(s), there is insufficient evidence for cancer. Thus, these oils are Unlabeled in accordance with 29 CFR 1910.1200.

Median Lethal Dose (LD50 LC50) (Species)

Oral: Believed to be >5g/kg (rat); practically non-toxic

Inhalation: Not Determined

Dermal: Believed to be >3 g/kg (rat); practically non-toxic.

Irritation Index Estimation of Irritation (Species).

Skin: Believed to be <0.5/8.0 (rabbit); no appreciable effect

Eyes: Believed to be <15/110 (rabbit); no appreciable effect

Sensitization: Not Available

Other: None

NOTE: Some studies have linked the overexposure of "solvents" to lasting neurological effects and non-Hodgkins Lymphoma.

12 ECOLOGICAL INFORMATION

Ecological information on this product as a mixture has not been determined.

13 DISPOSAL CONSIDERATIONS

Used or unused product should be disposed of in accordance with local, state and federal regulations.

Empty containers may contain residual pressure and contents. They should be handled with the same precautions as the product.

14 TRANSPORT INFORMATION

Dept. of Transportation (DOT):

Proper shipping name: Flammable Liquid, n.o.s. (naphtha)

Hazard class: 3

UN #: 1993

Packing Group: II

This product may be packaged to meet the definitions set forth in CFR 49 part 173.150c as a "consumer commodity." Allowing for certain exceptions (173.156) for domestic surface shipments.

Please call The Blaster Chemical Companies for clarification or questions regarding proper shipping information.



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15 REGULATORY INFORMATION

Environmental Regulations

SARA 311:

Acute health:	Yes	Chronic health:	No
Fire:	Yes	Sudden release of pressure:	No
Reactive:	No		

SARA 313: Title III of the 1986 Super fund Amendments and Reauthorization Act (SARA) and 40 CFR PART 372.
Zinc Alkyl Dithiophosphate 68649-42-3

All the chemicals used in this product are TSCA listed.
Check with your local regulators to be sure all local regulations are met.

16 OTHER INFORMATION

Manufacturer's Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither The Blaster Chemical Companies nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exists.

HMIS Ratings

Health:	2
Fire:	3
Reactivity	0

END OF MSDS DOCUMENT