

PERSON & COVEY INC -- DRY SOL -- 6505-01-146-4268

===== Product Identification =====

Product ID: DRY SOL  
MSDS Date: 03/09/1991  
FSC: 6505  
NIIN: 01-146-4268  
MSDS Number: BLVCL  
=== Responsible Party ===  
Company Name: PERSON & COVEY INC  
Address: 616 ALLEN AVENUE  
City: GLENDALE  
State: CA  
ZIP: 91201-2014  
Country: US  
Info Phone Num: 818-240-1030  
Emergency Phone Num: 818-240-1030  
CAGE: 51931  
=== Contractor Identification  
n ===  
Company Name: PERSON & COVEY INC  
Address: 616 ALLEN AVENUE  
Box: City: GLENDALE  
State: CA  
ZIP: 91201-2014  
Country: US  
Phone: 818-240-1030  
CAGE: 51931

===== Composition/Information on Ingredients =====

Ingred Name: ALUMINUM CHLORIDE  
CAS: 7446-70-0  
RTECS #: BD0525000  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: 2 MG/M3  
ACGIH TLV: 2 MG/M3  
  
Ingred Name: ETHYL ALCOHOL (ETHANOL)  
CAS: 64-17-5  
RTECS #: KQ6300000  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: 1000 PPM  
ACGIH TLV: 1000 PPM; 9192

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-INHALED:EXPOSURE TO >1000 PPM  
MAY CAUSE HEADACHE,DROWSINESS,LOSS OF APPETITE,INABILITY TO  
CONCENTRATE & UPPER RESPIRATORY SYSTEM IRRITATION.EXPOSURE TO  
>20,000 PPM MAY CAUSE EXTREME NARCOSIS.EYE :MAY CAUSE IRRITATION &  
CONJUNCTIVITIS.SKIN:MAY CAUSE IRRITATION.INGESTED:NAUSEA,V  
OMITING &  
DIARRHEA.CHRONIC-DERMATITIS.  
Explanation of Carcinogenicity:THE IARC HAS REPORTED A RELATIONSHIP  
BETWEEN INGESTION OF ALCOHOL & CANCER OF PHARYNX, ESOPHAGUS &  
LIVER. PER MSDS.  
Effects of Overexposure:EXPOSURE TO >1000 PPM MAY CAUSE HEADACHE,  
DROWSINESS, LOSS OF APPETITE, INABILITY TO CONCENTRATE & UPPER  
RESPIRATORY SYSTEM IRRITATION. EXPOSURE TO >20,000 PPM MAY CAUSE  
EXTREME NARCOSIS. MAY CAUSE EYE IRRITATION & CONJUNCTIVITIS. MAY  
CAUSE SKIN IRRITATION. INGE  
STED MAY CAUSE NAUSEA, VOMITING &  
DIARRHEA.  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS OR EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY  
FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

===== First Aid Measures =====

First Aid:OBTAIN MEDICAL ATTENTION IN ALL CASES.INGESTION:IF  
CONSCIOUS,DRINK WATER OR MILK TO DILUTE.INHALATION:REMOVE FROM  
EXPOSURE.PROVIDE CPR IF NEEDED.EYES:FLUSH  
WITH WATER FOR AT LEAST  
15 MINUTES,HOLDING EYELIDS OPEN.SKIN:IMMEDIATELY REMOVE  
CONTAMINATED CLOTHING & FLUSH AFFECTED AREA WITH PLENTY OF WATER.

===== Fire Fighting Measures =====

Flash Point:55.0F,12.8C  
Extinguishing Media:CARBON DIOXIDE, "ALCOHOL" FOAM OR DRY CHEMICAL.USE  
WATER SPRAY TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILL  
AWAY.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING

G APPARATUS WITH FULL

FACEPIECE OPERATED IN THE PRESSURE DEMAND MODE.DILUTE SPILLS W/H2O

Unusual Fire/Explosion Hazard:SMOKE, FUMES OR HAZARDOUS DECOMPOSITION

PRODUCTS SUCH AS CARBON MONOXIDE, HYDROGEN CHLORIDE AND OXIDES OF ALUMINUM

===== Accidental Release Measures =====

Spill Release Procedures:FIRE HAZARD:ELIMINATE ALL SOURCES OF IGNITION.  
EVACUATE AREA. VENTILATE AREA. STOP RELEASE. DIKE TO CONTAIN SPILL.  
WEAR PROPER SAFETY EQUIPMENT. ABSORB  
SPILL WITH VERMICULITE AND  
COLLECT INTO SUITABLE CONTAINER FOR DISPOSAL.

===== Handling and Storage =====

Handling and Storage Precautions:STORAGE-STORE IN COOL,WELL-VENTILATED  
AREA,IN TIGHTLY CLOSED CONTAINERS,AWAY FROM HEAT,SPARKS & FLAMES.

Other Precautions:SEPARATE FROM OXIDIZERS. USE SPARK-RESISTANT TOOLS.  
WHEN TRANSFERRING FOLLOW PROPER GROUNDING PROCEDURES. USE WITH  
ADEQUATE VENTILATION. AVOID BREATHING VAPORS. AVOID CONTACT WITH

EYES, SKIN & CLOTHIN G

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF LEVELS EXCEED THE RECOMMENDED HEALTH  
STANDARDS, WEAR A NIOSH/MSHA APPROVED ORGANIC VAPOR RESPIRATOR. FOR  
EMERGENCY USE, WEAR A NIOSH APPROVED SELF-CONTAINED BREATHING  
APPARATUS/A SUPPLIED AIR FULL FACEPIECE RESPIRATOR.

Ventilation:USE LOCAL AND/OR GENERAL EXHAUST VENTILATION.

Protective Gloves:NEOPRENE OR RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES & FULL FACEPIEC

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Other Protective Equipment:FOR OPERATIONS WHERE SPILLS OR SPLASHING CAN  
OCCUR,USE IMPERVIOUS BODY COVERING AND TOOLS,A SAFETY SHOWER AND  
EYE BATH.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR  
USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:F2

Boiling Pt:=78.C, 172.4F

Vapor Pres:44.6 @ 86F

Vapor Density:1.59

Spec Gravity:0.92

Solubili

ty in Water:COMPLETE

Appearance and Odor:CLEAR, AND COLORLESS TO SLIGHTLY YELLOW LIQUID WITH  
A STRONG ALCOHOL ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ACETYL CHLORIDE, WATER

Stability Condition to Avoid:HEAT, SPARKS, FLAMES AND OTHER SOURCES OF  
IGNITION

Hazardous Decomposition Products:WHEN HEATED TO DECOMPOSITION, MAY  
GENERATE CARBON MONOXIDE, HYDROGEN CHLORIDE AND OXIDES OF ALUMINU  
M.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE  
AND FEDERAL REGULATIONS.

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