

BLACKHAWK AUTOMOTIVE INC -- AWS CLASS E7018 (84-053) (COVERED ELECTRODE FOR SMAW)  
-- 3439-01-039-6408

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

Product ID:AWS CLASS E7018 (84-053) (COVERED ELECTRODE FOR SMAW)

MSDS Date:09/15/1988

FSC:3439

NIIN:01-039-6408

MSDS Number: CCCDL

=== Responsible Party ===

Company Name:BLACKHAWK AUTOMOTIVE INC

Box:1606

City:WAUKESHA

State:WI

ZIP:53187

Country:US

Info Phone Num:

414-542-6611

Emergency Phone Num:414-542-6611

CAGE:EO393

=== Contractor Identification ===

Company Name:BLACKHAWK AUTOMOTIVE INC

Box:1606

City:WAUKESHA

State:WI

ZIP:53187

Country:US

Phone:414-542-6611

CAGE:EO393

Company Name:NAPA, A DIVISION OF LINCOLN AUTOMOTIVE

Address:ONE LINCOLN WAY

Box:City:ST. LOUIS

State:MO

ZIP:63120-1578

Country:US

Phone:414-255-5520

CAGE:050Q3

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

Ingred Name:30-40

CAS:7439-89-6

RTECS #:NO4565500

Other R

EC Limits:NONE RECOMMENDED

Ingred Name:MANGANESE (SARA 313)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 1-11%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 5 MG/M3 (FUME)

ACGIH TLV:0.2 MG/M3; 9596

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #:XR2275000

Fraction by Wt: 2-12%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:SILICA DIOXIDE

CAS:112945-52-5

RTECS #:VV7310000

Fraction by Wt: 1-11%

Other REC Limits:NONE RECOMMENDED

OSHA P

EL:6 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:SODIUM SILICATE

CAS:1344-09-8

Fraction by Wt: 2-12%

Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM SILICATE

CAS:1312-76-1

Fraction by Wt: 2-12%

Other REC Limits:NONE RECOMMENDED

Ingred Name:FELDSPAR

CAS:68476-25-5

Fraction by Wt: 1-11%

Other REC Limits:NONE RECOMMENDED

Ingred Name:IRON OXIDE

CAS:1309-38-2

RTECS #:OM4800000

Fraction by Wt: 1-11%

Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-

3  
RTECS #:EV9580000  
Fraction by Wt: 18-28%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:FLUORSPAR  
CAS:14542-23-5  
Fraction by Wt: 10-20%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)  
CAS:1310-58-3  
RTECS #:TT2100000  
Fraction by Wt: 0.1-1%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====  
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LD50 LC50 Mixture:TLV-TWA WELD FUME:5MG/M3.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:WELDING FUMES/GASES CAN BE DANGEROUS  
TO HEALTH.SHORT-TERM(ACUTE)OVEREXPO TO WELDING FUMES MAY RESULT IN  
DISCOMFORT SUCH AS DIZZ,NAU,DRYNESS/IRRIT OF NOSE/THROAT/EYES.LONG  
TERM:SIDEROSIS(IRON DEPOSIT I N LUNGS)WHICH AFFECT PULM  
FUNCTION.ARC RAYS CAN INJURE EYE/BURN SKIN.ELECTRIC SHOC  
K CAN KILL.  
Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY:NO FOR ALL  
INGREDIENTS PRESENT.  
Effects of Overexposure:DIZZINESS, NAUSEA, DRYNESS OR IRRIT OF  
NOSE/THROAT/EYES. ARC RAYS:INJURE EYE, BURN SKIN. ELECTRIC SHOCK  
CAN KILL. SIDEROSIS (RION DEPOSIT IN LUNGS) WHICH AFFECTS PULM  
FUNCITON.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====  
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First Aid:CALL FOR MEDICAL AID. EMPLOY FIRST

AID TECHNIQUES RECOMMENDED  
BY AMERICAN RED CROSS.

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

Flash Point:NA  
Autoignition Temp:Autoignition Temp Text:NA  
Lower Limits:NA  
Upper Limits:NA  
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.  
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.  
Unusual Fire/Explosion Hazard:NON-FLAMMABLE. WELDING ARC & SPARKS CAN  
IGNITE COMBUSTIBLES. REFER TO AMERICAN NATL STD 249.1 FOR FIRE  
PREVENTION DURING WELDING.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:READ/UNDERSTAND MFG INSTRUCT/PRECAUT  
LABEL.FILTER LENSES:RULE OF THUMB:START W/SHADE TOO DARK TO SEE  
WELD ZONE, THEN GO TO NEXT LIGHTER GIVES SUFF VIEW  
Other Precautions:RECOMMENDED WAY TO DETERMINE FUME/GAS COMP/QUANT  
WORKERS EXPO:TAKE AIR SMPL INSIDE WELDER HELME  
T/WORKER BREATH  
ZONE.ANSI/AWS F1.1 AVAILABLE FROM AMER WELD SOC,POB 351040,MIA,FL  
33135.SEE AMER NAT STD Z-49.1 & OSHA 29CFR 1910.

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED  
RESP WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR  
VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.  
Ventilation:USE ENOUGH VENTI,LOC EXHASUT @ARC OR BOTH TO KEEP  
FUMES/GASES BELOW TLV IN WORKER BREATH  
ZONE/GENERAL AREA.  
Protective Gloves:WELDER GLOVES.  
Eye Protection:FCSHIELD W/FILT LENSES(SEE HNDLG PRCAUT)  
Other Protective Equipment:HELMET;SCREENS/FLASH GOGG IF NECESSARY TO  
SHIELD OTHERS.HEAD/HAND/BODY PROT FROM RADIATION/SPARK/ELECTR  
SHOCK.  
Work Hygienic Practices:TRAIN WELDER TO KEEP HEAD OUT OF FUMES/NOT  
TOUCH LIVE ELCTRICAL PARTS/INSULATE HIMSELF FROM WORK/GROUND.  
Supplemental Safety and Health  
HAZ DECOMP PROD:USED.ALSO COAT ON METAL BEING WELDED,#OF  
WELDER/VOL,QUAL/AMT

OF VENTI, POSITION OF WELDER HEAD W/FUME  
PLUME, PRESENCE OF ATM CONTAMIN. DECOMP PROD: ORIGINATING FROM  
VOLATIZ/RX/OXIDAT OF MA TL+BASE METAL, COAT, ETC. PRESENT AS COMPLEX  
CMPDS-NOT METALS. REASONABILITY: FLOURIDES, FE  
OXIDES, MN, SI, CO, CO2, OZONE, NOX.

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

HCC: V7

Boiling Pt: B.P. Text: NA

Melt/Freeze Pt: M.P/F.P Text: NA

Decomp Temp: Decomp Text: NA

Vapor Pres: NA

Vapor Density: NA

Spec Gravity: NA

pH: NA

Viscosity: NA

Evaporation Rate &

amp; Reference: NA

Solubility in Water: NA

Appearance and Odor: NA

Percent Volatiles by Volume: NA

Corrosion Rate: NA

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

Stability Indicator/Materials to Avoid: YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: WELD FUME/GAS CAN'T BE CLASSIFIED

SIMPLY. COMPO/QUANT DEPENDENT UPON METAL BEING WELD/PROCEDURES  
FOLLOWED/ELECTRODE(SUPP)

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== Disposal Considerations =====

Waste Disposal Methods: NONE SPECIFIED BY MANUFACTURER. HMIS: DISPOSE OF  
ANY GRINDING DUST OR WASTE RESIDUES IN ACCORDANCE W/EPA OR LOCAL  
REGULATIONS.

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